



NASA

PATENT

ABSTRACTS

BIBLIOGRAPHY

A CONTINUING BIBLIOGRAPHY

Section 2 • Indexes

JULY 1987

(NASA-SP-7039 (31)-Sect-2) NASA PATENT
ABSTRACTS BIBLIOGRAPHY: A CONTINUING
BIBLIOGRAPHY. SECTION 2: INDEXES (NASA)
493 p Avail: NTIS HC A21

CSCL 05B

N87-26689

Unclas
0087904

00/82

ACCESSION NUMBER RANGES

<i>Bibliography Number</i>	<i>STAR Accession Numbers</i>
NASA SP-7039(04) SEC 1	N69-20701 - N73-33931
NASA SP-7039(12) SEC 1	N74-10001 - N77-34042
NASA SP-7039(13) SEC 1	N78-10001 - N78-22018
NASA SP-7039(14) SEC 1	N78-22019 - N78-34034
NASA SP-7039(15) SEC 1	N79-10001 - N79-21993
NASA SP-7039(16) SEC 1	N79-21994 - N79-34158
NASA SP-7039(17) SEC 1	N80-10001 - N80-22254
NASA SP-7039(18) SEC 1	N80-22255 - N80-34339
NASA SP-7039(19) SEC 1	N81-10001 - N81-21997
NASA SP-7039(20) SEC 1	N81-21998 - N81-34139
NASA SP-7039(21) SEC 1	N82-10001 - N82-22140
NASA SP-7039(22) SEC 1	N82-22141 - N82-34341
NASA SP-7039(23) SEC 1	N83-10001 - N83-23266
NASA SP-7039(24) SEC 1	N83-23267 - N83-37053
NASA SP-7039(25) SEC 1	N84-10001 - N84-22526
NASA SP-7039(26) SEC 1	N84-22527 - N84-35284
NASA SP-7039(27) SEC 1	N85-10001 - N85-22341
NASA SP-7039(28) SEC 1	N85-22342 - N85-36162
NASA SP-7039(29) SEC 1	N86-10001 - N86-22536
NASA SP-7039(30) SEC 1	N86-22537 - N86-33262
NASA SP-7039(31) SEC 1	N87-10001 - N87-20170

This bibliography was prepared by the NASA Scientific and Technical Information Facility operated for the National Aeronautics and Space Administration by RMS Associates.

NASA

PATENT
ABSTRACTS
BIBLIOGRAPHY

A CONTINUING BIBLIOGRAPHY



Section 2 • Indexes

Indexes for the annotated references to NASA-owned inventions covered by U.S. patents and applications for patent that were announced in *Scientific and Technical Aerospace Reports (STAR)* between May 1969 and June 1987. This issue supersedes all previous Index Sections



This document is available from the National Technical Information Service (NTIS), Springfield, Virginia 22161, price code A21.

INTRODUCTION

Several thousand inventions result each year from the aeronautical and space research supported by the National Aeronautics and Space Administration. The inventions having important use in government programs or significant commercial potential are usually patented by NASA. These inventions cover practically all fields of technology and include many that have useful and valuable commercial application.

NASA inventions best serve the interests of the United States when their benefits are available to the public. In many instances, the granting of nonexclusive or exclusive licenses for the practice of these inventions may assist in the accomplishment of this objective. This bibliography is published as a service to companies, firms, and individuals seeking new, licensable products for the commercial market.

The *NASA Patent Abstracts Bibliography (NASA PAB)* is a semiannual NASA publication containing comprehensive abstracts and indexes of NASA-owned inventions covered by U.S. patents and applications for patent. The citations included in *NASA PAB* were originally published in NASA's *Scientific and Technical Aerospace Reports (STAR)* and cover *STAR* announcements made since May 1969.

For the convenience of the user, each issue of *NASA PAB* has a separately bound Abstract Section (Section 1) and Index Section (Section 2). Although each Abstract Section covers only the indicated six-month period, the Index Section is cumulative covering all NASA-owned inventions announced in *STAR* since 1969. Thus a complete set of *NASA PAB* would consist of the Abstract Sections of Issue 04 (January 1974) and Issue 12 (January 1978) and the Abstract Section for all subsequent issues and the Index Section for the most recent issue.

The 85 citations published in this issue of the Abstract Section cover the period January 1987 through June 1987. The Index Section references over 4600 citations covering the period May 1969 through June 1987.

ABSTRACT SECTION (SECTION 1)

This *PAB* issue incorporates the 1987 *STAR* category revisions which include 10 major subdivisions divided into 76 specific categories and one general category/division. (See Table of Contents for the scope note of each category under which are grouped appropriate NASA inventions.) This new scheme was devised in 1975 and revised in 1987 in lieu of the 34 category divisions which were utilized in *PAB* supplements (01) through (06) covering *STAR* abstracts from May 1969 through January 1974. Each entry in the Abstract Section consists of a *STAR* citation accompanied by an abstract and a key illustration taken from the patent or application for patent drawing. Entries are arranged in subject category in order of the ascending NASA Accession Number originally assigned to *STAR* to the invention. The range of NASA Accession Numbers within each issue is printed on the inside front cover.

Abstract Citation Data Elements: Each of the abstract citations has several data elements useful for identification and indexing purposes, as follows:

- NASA Accession Number
- NASA Case Number
- Inventor's Name
- Title of Invention
- U.S. Patent Application Serial Number
- U.S. Patent Number (for issued patents only)
- U.S. Patent Office Classification Number(s)
(for issued patents only)

These data elements are identified in the Typical Citation and Abstract and in the indexes.

INDEX SECTION (SECTION 2)

The Index Section is divided into five indexes. These indexes are cross-indexed and are used to locate a single invention or groups of inventions.

Subject Index: Lists all inventions according to appropriate alphabetized technical term and indicates the related NASA Case Number, the Subject Category Number, and the Accession Number.

Inventor Index: Lists all inventions according to alphabetized names of inventors and indicates the related NASA Case Number, the Subject Category Number, and the Accession Number.

Source Index: Lists all inventions according to alphabetized source of invention (i.e., name of contractor or government installation where invention was made) and indicates the related NASA Case Number, the Subject Category Number, and the Accession Number.

Number Index: Lists inventions in order of ascending (1) NASA Case Number, (2) U.S. Patent Application Serial Number, (3) U.S. Patent Classification Number, and (4) U.S. Patent Number and indicates the related Subject Category Number and the Accession Number.

Accession Number Index: Lists all inventions in order of ascending Accession Number and indicates the related Subject Category Number, the NASA Case Number, the U.S. Patent Application Serial Number, the U.S. Patent Classification Number, and the U.S. Patent Number.

HOW TO USE THIS PUBLICATION TO IDENTIFY NASA INVENTIONS

To identify one or more NASA inventions within a specific technical field or subject, several techniques are possible with the flexibility incorporated into the *NASA PAB*.

(1) *Using Subject Category:* To identify all NASA inventions in any one of the subject categories in this issue of *NASA PAB*, select the desired Subject Category in the Abstract Section (Section 1) and find the inventions abstracted thereunder.

(2) *Using Subject Index:* To identify all NASA inventions listed under a desired technical subject index term, (A) turn to the cumulative Subject Index in the Index Section and find the invention(s) listed under the desired technical subject term. (B) Note the indicated Accession Number and the Subject Category Number. (C) Using the indicated Accession Number, turn to the inside front cover of the Index Section to determine which issue of the Abstract Section includes the Accession Number desired. (D) To find the abstract of the particular invention in the issue of the Abstract Section selected, (i) use the Subject Category Number to locate the Subject Category and (ii) use the Accession Number to locate the desired invention within the Subject Category listing.

(3) *Using Patent Classification Index:* To identify all inventions covered by issued NASA patents (does not include applications for patent) within a desired Patent Classification, (A) turn to the Patent Classification Number in the Number Index of Section 2 and find the associated invention(s), and (B) follow the instructions outlined in (2)(B), and (D) above.

TYPICAL CITATION AND ABSTRACT

ON MICROFICHE

NASA SPONSORED

ACCESSION NUMBER → N87-15253*# National Aeronautics and Space Administration.
Ames Research Center, Moffett Field, Calif.

CORPORATE SOURCE

TITLE → WEIGHTLESSNESS SIMULATION SYSTEM AND PROCESS
Patent Application

INVENTORS → HUBERT C. VYKUKAL, inventor (to NASA) 29 Oct. 1986 14 p

NASA CASE NUMBER → (NASA-CASE-ARC-11646-1; NAS 1.71:ARC-11646-1;

PRICE CODE

US PATENT APPLICATIONS → US-PATENT-APPL-SN-924398) Avail: NTIS HC A02/MF A01

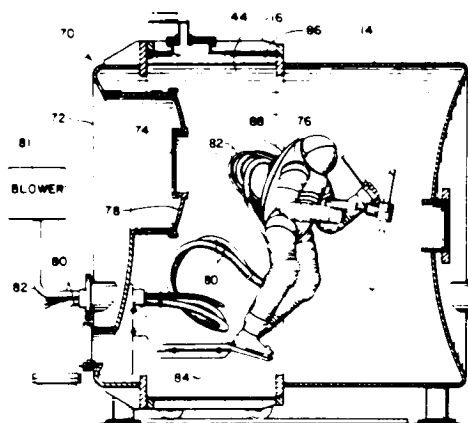
AVAILABILITY SOURCE

SERIAL NUMBER

COSATI CODE

CSCL 148
A weightlessness simulator has a chamber and a suit in the chamber. O-rings and valves hermetically seal the chamber. A vacuum pump connected to the chamber establishes a pressure in the chamber less than atmospheric pressure. A water supply tank and water supply line supply a body of water to the chamber as a result of partial vacuum created in the chamber. In use, an astronaut enters the pressure suit through a port, which remains open to ambient atmosphere, thus supplying air to the astronaut during use. The pressure less than atmospheric pressure in the chamber is chosen so that the pressure differential from the inside to the outside of the suit corresponds to the pressure differential with the suit in outer space.
NASA

ABSTRACT



KEY ILLUSTRATION

Subject Categories

(1969 - 1973)

01 Aerodynamics

Includes aerodynamics of bodies, combinations, internal flow in ducts and turbomachinery; wings, rotors, and control surfaces. For applications see: 02 Aircraft and 32 Space Vehicles. For related information see also: 12 Fluid Mechanics; and 33 Thermodynamics and Combustion.

02 Aircraft

Includes fixed-wing airplanes, helicopters, gliders, balloons, ornithopters, etc.; and specific types of complete aircraft (e.g., ground effect machines, STOL, and VTOL); flight tests; operating problems (e.g., sonic boom); safety and safety devices; economics; and stability and control. For basic research see: 01 Aerodynamics. For related information see also: 31 Space Vehicles; and 32 Structural Mechanics.

03 Auxiliary Systems

Includes fuel cells, energy conversion cells, and solar cells; auxiliary gas turbines; hydraulic, pneumatic and electrical systems; actuators; and inverters. For related information see also: 09 Electronic Equipment; 22 Nuclear Engineering; and 28 Propulsion Systems.

04 Biosciences

Includes aerospace medicine, exobiology, radiation effects on biological systems; physiological and psychological factors. For related information see also: 05 Biotechnology.

05 Biotechnology

Includes life support systems, human engineering; protective clothing and equipment; crew training and evaluation, and piloting. For related information see also: 04 Biosciences.

06 Chemistry

Includes chemical analysis and identification (e.g., spectroscopy). For applications see: 17 Materials, Metallic; 18 Materials, Nonmetallic; and 27 Propellants.

07 Communications

Includes communications equipment and techniques; noise; radio and communications blackout; modulation telemetry; tracking radar and optical observation; and wave propagation. For basic research see: 23 Physics, General; and 21 Navigation.

08 Computers

Includes computer operation and programming; and data processing. For applications, see specific categories. For related information see also: 19 Mathematics.

09 Electronic Equipment

Includes electronic test equipment and maintainability; component parts, e.g., electron tubes, tunnel diodes, transistors, integrated circuitry; microminiaturization. For basic research see: 10 Electronics. For related information see also: 07 Communications and 21 Navigation.

10 Electronics

Includes circuit theory; and feedback and control theory. For applications see: 09 Electronic Equipment. For related information see specific Physics categories.

11 Facilities, Research and Support

Includes airports; lunar and planetary bases including associated vehicles; ground support systems; related logistics; simulators; test facilities (e.g., rocket engine test stands, shock tubes, and wind tunnels); test ranges; and tracking stations.

12 Fluid Mechanics

Includes boundary-layer flow; compressible flow; gas dynamics; hydrodynamics; and turbulence. For related information see also: 01 Aerodynamics; and 33 Thermodynamics and Combustion.

13 Geophysics

Includes aeronomy; upper and lower atmosphere studies; oceanography; cartography; and geodesy. For related information see also: 20 Meteorology; 29 Space Radiation; and 30 Space Sciences.

14 Instrumentation and Photography

Includes design, installation, and testing of instrumentation systems; gyroscopes; measuring instruments and gages; recorders, transducers; aerial photography; and telescopes and cameras.

15 Machine Elements and Processes

Includes bearings, seals, pumps, and other mechanical equipment; lubrication, friction, and wear; manufacturing processes and quality control; reliability; drafting; and materials fabrication, handling, and inspection.

16 Masers

Includes applications of masers and lasers. For basic research see: 26 Physics, Solid-State.

17 Materials, Metallic

Includes cermets; corrosion; physical and mechanical properties of materials; metallurgy; and applications as structural materials. For basic research see: 06 Chemistry. For related information see also: 18 Materials, Nonmetallic; and 32 Structural Mechanics.

18 Materials, Nonmetallic

Includes corrosion; physical and mechanical properties of materials (e.g., plastics); and elastomers, hydraulic fluids, etc. For basic research see: 06 Chemistry. For related information see also: 17 Materials, Metallic; 27 Propellants; and 32 Structural Mechanics.

19 Mathematics

Includes calculation methods and theory; and numerical analysis. For applications see specific categories. For related information see also: 08 Computers.

20 Meteorology

Includes climatology; weather forecasting; and visibility studies. For related information see also: 13 Geophysics; and 30 Space Sciences.

21 Navigation

Includes guidance; autopilots; star and planet tracking; inertial platforms; and air traffic control. For related information see also: 07 Communications.

22 Nuclear Engineering

Includes nuclear reactors and nuclear heat sources used for propulsion and auxiliary power. For basic research see: 24 Physics, Atomic, Molecular, and Nuclear. For related information see also: 03 Auxiliary Systems; and 28 Propulsion Systems.

23 Physics, General

Includes acoustics, cryogenics, mechanics, and optics. For astrophysics see: 30 Space Sciences. For geophysics and related information see also: 13 Geophysics, 20 Meteorology, and 29 Space Radiation.

24 Physics, Atomic, Molecular, and Nuclear

Includes atomic, molecular and nuclear physics. For applications see: 22 Nuclear Engineering. For related information see also: 29 Space Radiation.

25 Physics, Plasma

Includes magnetohydrodynamics. For applications see: 28 Propulsion Systems.

26 Physics, Solid-State

Includes semiconductor theory; and superconductivity. For applications see: 16 Masers. For related information see also: 10 Electronics.

27 Propellants

Includes fuels; igniters; and oxidizers. For basic research see: 06 Chemistry; and 33 Thermodynamics and Combustion. For related information see also 28 Propulsion Systems.

28 Propulsion Systems

Includes air breathing, electric, liquid, solid, and magnetohydrodynamic propulsion. For nuclear propulsion see: 22 Nuclear Engineering. For basic research see: 23 Physics, General; and 33 Thermodynamics and Combustion. For applications see: 31 Space Vehicles. For related information see also: 27 Propellants.

29 Space Radiation

Includes cosmic radiation; solar flares; solar radiation; and Van Allen radiation belts. For related information see also: 13 Geophysics, and 24 Physics, Atomic, Molecular, and Nuclear.

30 Space Sciences

Includes astronomy and astrophysics; cosmology; lunar and planetary flight and exploration; and theoretical analysis of orbits and trajectories. For related information see also: 11 Facilities, Research and Support; and 31 Space Vehicles.

31 Space Vehicles

Includes launch vehicles; manned space capsules; clustered and multistage rockets; satellites; sounding rockets and probes; and operating problems. For basic research see: 30 Space Sciences. For related information see also: 28 Propulsion Systems; and 32 Structural Mechanics.

32 Structural Mechanics

Includes structural element design and weight analysis; fatigue; thermal stress; impact phenomena; vibration; flutter; inflatable structures; and structural tests. For related information see also: 17 Materials, Metallic; and 18 Materials, Nonmetallic.

33 Thermodynamics and Combustion

Includes ablation, cooling, heating, heat transfer, thermal balance, and other thermal effects; and combustion theory. For related information see also: 12 Fluid Mechanics; and 27 Propellants.

34 General

Includes information of a broad nature related to industrial applications and technology, and to basic research; defense aspects; information retrieval; management; law and related legal matters; and legislative hearings and documents.

TABLE OF CONTENTS

Subject Categories (1974-)

AERONAUTICS

Includes aeronautics (general); aerodynamics; air transportation and safety; aircraft communications and navigation; aircraft design, testing and performance; aircraft instrumentation; aircraft propulsion and power; aircraft stability and control; and research and support facilities (air).

For related information see also *Astronautics*.

01 AERONAUTICS (GENERAL)

02 AERODYNAMICS

Includes aerodynamics of bodies, combinations, wings, rotors, and control surfaces; and internal flow in ducts and turbomachinery.

For related information see also *34 Fluid Mechanics and Heat Transfer*

03 AIR TRANSPORTATION AND SAFETY

Includes passenger and cargo air transport operations; and aircraft accidents.

For related information see also *16 Space Transportation* and *85 Urban Technology and Transportation*.

04 AIRCRAFT COMMUNICATIONS AND NAVIGATION

Includes digital and voice communication with aircraft; air navigation systems (satellite and ground based); and air traffic control.

For related information see also *17 Space Communications*, *Spacecraft Communications*, *Command and Tracking* and *32 Communications and Radar*.

05 AIRCRAFT DESIGN, TESTING AND PERFORMANCE

Includes aircraft simulation technology.

For related information see also *18 Spacecraft Design, Testing and Performance* and *39 Structural Mechanics*. For land transportation vehicles see *85 Urban Technology and Transportation*.

06 AIRCRAFT INSTRUMENTATION

Includes cockpit and cabin display devices; and flight instruments.

For related information see also *19 Spacecraft Instrumentation* and *35 Instrumentation and Photography*.

07 AIRCRAFT PROPULSION AND POWER

Includes prime propulsion systems and systems components, e.g., gas turbine engines and compressors; and onboard auxiliary power plants for aircraft.

For related information see also *20 Spacecraft Propulsion and Power*, *28 Propellants and Fuels*, and *44 Energy Production and Conversion*.

08 AIRCRAFT STABILITY AND CONTROL

Includes aircraft handling qualities; piloting; flight controls; and autopilots.

For related information see also *05 Aircraft Design, Testing and Performance*.

09 RESEARCH AND SUPPORT FACILITIES (AIR)

Includes airports, hangars and runways; aircraft repair and overhaul facilities; wind tunnels; shock tubes; and aircraft engine test stands.

For related information see also *14 Ground Support Systems and Facilities (Space)*.

ASTRONAUTICS

Includes astronautics (general); astrodynamics; ground support systems and facilities (space); launch vehicles and space vehicles; space transportation; space communications, spacecraft communications, command and tracking; spacecraft design, testing and performance; spacecraft instrumentation; and spacecraft propulsion and power.

For related information see also *Aeronautics*

12 ASTRONAUTICS (GENERAL)

For extraterrestrial exploration see *91 Lunar and Planetary Exploration*.

13 ASTRODYNAMICS

Includes powered and free-flight trajectories; and orbital and launching dynamics.

14 GROUND SUPPORT SYSTEMS AND FACILITIES (SPACE)

Includes launch complexes, research and production facilities; ground support equipment, e.g., mobile transporters; and simulators.

For related information see also *09 Research and Support Facilities (Air)*.

15 LAUNCH VEHICLES AND SPACE VEHICLES

Includes boosters; operating problems of launch/space vehicle systems; and reusable vehicles.

For related information see also *20 Spacecraft Propulsion and Power*.

16 SPACE TRANSPORTATION

Includes passenger and cargo space transportation, e.g., shuttle operations; and space rescue techniques.

For related information see also *03 Air Transportation and Safety* and *18 Spacecraft Design, Testing and Performance*. For space suits see *54 Man/System Technology and Life Support*.

17 SPACE COMMUNICATIONS, SPACECRAFT COMMUNICATIONS, COMMAND AND TRACKING

Includes telemetry; space communications networks; astronavigation and guidance; and radio blackout.

For related information see also *04 Aircraft Communications and Navigation* and *32 Communications and Radar*.

18 SPACECRAFT DESIGN, TESTING AND PERFORMANCE

Includes satellites; space platforms; space stations; spacecraft systems and components such as thermal and environmental controls; and attitude controls.

For life support systems see *54 Man/System Technology and Life Support*. For related information see also *05 Aircraft Design, Testing and Performance*, *39 Structural Mechanics*, and *16 Space Transportation*.

19 SPACECRAFT INSTRUMENTATION

For related information see also *06 Aircraft Instrumentation* and *35 Instrumentation and Photography*.

20 SPACECRAFT PROPULSION AND POWER

Includes main propulsion systems and components, e.g. rocket engines; and spacecraft auxiliary power sources.

For related information see also *07 Aircraft Propulsion and Power*, *28 Propellants and Fuels*, *44 Energy Production and Conversion*, and *15 Launch Vehicles and Space Vehicles*.

CHEMISTRY AND MATERIALS

Includes chemistry and materials (general); composite materials; inorganic and physical chemistry; metallic materials; nonmetallic materials; propellants and fuels; and materials processing.

23 CHEMISTRY AND MATERIALS (GENERAL)

24 COMPOSITE MATERIALS

Includes physical, chemical, and mechanical properties of laminates and other composite materials.

For ceramic materials see *27 Nonmetallic Materials*.

25 INORGANIC AND PHYSICAL CHEMISTRY

Includes chemical analysis, e.g., chromatography; combustion theory; electrochemistry; and photochemistry.

For related information see also *77 Thermodynamics and Statistical Physics*.

26 METALLIC MATERIALS

Includes physical, chemical, and mechanical properties of metals, e.g., corrosion; and metallurgy.

27 NONMETALLIC MATERIALS

Includes physical, chemical, and mechanical properties of plastics, elastomers, lubricants, polymers, textiles, adhesives, and ceramic materials.

For composite materials see *24 Composite Materials*.

28 PROPELLANTS AND FUELS

Includes rocket propellants, igniters and oxidizers; their storage and handling procedures; and aircraft fuels.

For related information see also *07 Aircraft Propulsion and Power*, *20 Spacecraft Propulsion and Power*, and *44 Energy Production and Conversion*.

29 MATERIALS PROCESSING

Includes space-based development of products and processes for commercial application.

For biological materials see *55 Space Biology*.

ENGINEERING

Includes engineering (general); communications and radar; electronics and electrical engineering; fluid mechanics and heat transfer; instrumentation and photography; lasers and masers; mechanical engineering; quality assurance and reliability; and structural mechanics.

For related information see also *Physics*.

31 ENGINEERING (GENERAL)

Includes vacuum technology; control engineering; display engineering; cryogenics; and fire prevention.

32 COMMUNICATIONS AND RADAR

Includes radar; land and global communications; communications theory; and optical communications.

For related information see also *04 Aircraft Communications and Navigation* and *17 Space Communications, Spacecraft Communications, Command and Tracking*. For search and rescue see *03 Air Transportation and Safety*, and *16 Space Transportation*.

33 ELECTRONICS AND ELECTRICAL ENGINEERING

Includes test equipment and maintainability; components, e.g., tunnel diodes and transistors; microminiaturization; and integrated circuitry.

For related information see also *60 Computer Operations and Hardware* and *76 Solid-State Physics*.

34 FLUID MECHANICS AND HEAT TRANSFER

Includes boundary layers; hydrodynamics; fluidics; mass transfer and ablation cooling.

For related information see also *02 Aerodynamics* and *77 Thermodynamics and Statistical Physics*.

35 INSTRUMENTATION AND PHOTOGRAPHY

Includes remote sensors; measuring instruments and gages; detectors; cameras and photographic supplies; and holography.

For aerial photography see *43 Earth Resources and Remote Sensing*. For related information see also *06 Aircraft Instrumentation* and *19 Spacecraft Instrumentation*.

36 LASERS AND MASERS

Includes parametric amplifiers.

For related information see also *76 Solid-State Physics*.

37 MECHANICAL ENGINEERING

Includes auxiliary systems (nonpower); machine elements and processes; and mechanical equipment.

38 QUALITY ASSURANCE AND RELIABILITY

Includes product sampling procedures and techniques; and quality control.

39 STRUCTURAL MECHANICS

Includes structural element design and weight analysis; fatigue; and thermal stress.

For applications see *05 Aircraft Design, Testing and Performance* and *18 Spacecraft Design, Testing and Performance*.

GEOSCIENCES

Includes geosciences (general); earth resources and remote sensing; energy production and conversion; environment pollution; geophysics; meteorology and climatology; and oceanography.

For related information see also *Space Sciences*.

42 GEOSCIENCES (GENERAL)

43 EARTH RESOURCES AND REMOTE SENSING

Includes remote sensing of earth resources by aircraft and spacecraft; photogrammetry; and aerial photography.

For instrumentation see *35 Instrumentation and Photography*.

44 ENERGY PRODUCTION AND CONVERSION

Includes specific energy conversion systems, e.g., fuel cells; global sources of energy; geophysical conversion; and windpower.

For related information see also *07 Aircraft Propulsion and Power*, *20 Spacecraft Propulsion and Power*, and *28 Propellants and Fuels*.

45 ENVIRONMENT POLLUTION

Includes atmospheric, noise, thermal, and water pollution.

46 GEOPHYSICS

Includes aeronomy; upper and lower atmosphere studies; ionospheric and magnetospheric physics; and geomagnetism.

For space radiation see *93 Space Radiation*.

47 METEOROLOGY AND CLIMATOLOGY

Includes weather forecasting and modification.

48 OCEANOGRAPHY

Includes biological, dynamic, and physical oceanography; and marine resources.

For related information see also *43 Earth Resources and Remote Sensing*.

LIFE SCIENCES

Includes life sciences (general); aerospace medicine; behavioral sciences; man/system technology and life support; and space biology.

51 LIFE SCIENCES (GENERAL)

52 AEROSPACE MEDICINE

Includes physiological factors; biological effects of radiation; and effects of weightlessness on man and animals.

53 BEHAVIORAL SCIENCES

Includes psychological factors; individual and group behavior; crew training and evaluation; and psychiatric research.

54 MAN/SYSTEM TECHNOLOGY AND LIFE SUPPORT

Includes human engineering; biotechnology; and space suits and protective clothing.

For related information see also *16 Space Transportation*.

55 SPACE BIOLOGY

Includes exobiology; planetary biology; and extraterrestrial life.

MATHEMATICAL AND COMPUTER SCIENCES

Includes mathematical and computer sciences (general); computer operations and hardware; computer programming and software; computer systems; cybernetics; numerical analysis; statistics and probability; systems analysis; and theoretical mathematics.

59 MATHEMATICAL AND COMPUTER SCIENCES (GENERAL)

60 COMPUTER OPERATIONS AND HARDWARE

Includes hardware for computer graphics, firmware, and data processing.

For components see *33 Electronics and Electrical Engineering*.

61 COMPUTER PROGRAMMING AND SOFTWARE

Includes computer programs, routines, algorithms, and specific applications, e.g., CAD/CAM.

62 COMPUTER SYSTEMS

Includes computer networks and special application computer systems.

63 CYBERNETICS

Includes feedback and control theory, artificial intelligence, robotics and expert systems.

For related information see also *54 Man/System Technology and Life Support*.

64 NUMERICAL ANALYSIS

Includes iteration, difference equations, and numerical approximation.

65 STATISTICS AND PROBABILITY

Includes data sampling and smoothing; Monte Carlo method; and stochastic processes.

66 SYSTEMS ANALYSIS

Includes mathematical modeling; network analysis; and operations research.

67 THEORETICAL MATHEMATICS

Includes topology and number theory.

PHYSICS

Includes physics (general); acoustics; atomic and molecular physics; nuclear and high-energy physics; optics; plasma physics; solid-state physics; and thermodynamics and statistical physics.

For related information see also *Engineering*.

70 PHYSICS (GENERAL)

For precision time and time interval (PTTI) see *35 Instrumentation and Photography*; for geophysics, astrophysics or solar physics see *46 Geophysics*, *90 Astrophysics*, or *92 Solar Physics*.

71 ACOUSTICS

Includes sound generation, transmission, and attenuation.

For noise pollution see *45 Environment Pollution*.

72 ATOMIC AND MOLECULAR PHYSICS

Includes atomic structure, electron properties, and molecular spectra.

73 NUCLEAR AND HIGH-ENERGY PHYSICS

Includes elementary and nuclear particles; and reactor theory.

For space radiation see *93 Space Radiation*.

74 OPTICS

Includes light phenomena and optical devices.

For lasers see *36 Lasers and Masers*.

75 PLASMA PHYSICS

Includes magnetohydrodynamics and plasma fusion.

For ionospheric plasmas see *46 Geophysics*. For space plasmas see *90 Astrophysics*.

76 SOLID-STATE PHYSICS

Includes superconductivity.

For related information see also *33 Electronics and Electrical Engineering* and *36 Lasers and Masers*.

77 THERMODYNAMICS AND STATISTICAL PHYSICS

Includes quantum mechanics; theoretical physics; and Bose and Fermi statistics.

For related information see also *25 Inorganic and Physical Chemistry* and *34 Fluid Mechanics and Heat Transfer*.

SOCIAL SCIENCES

Includes social sciences (general); administration and management; documentation and information science; economics and cost analysis; law, political science, and space policy; and urban technology and transportation.

80 SOCIAL SCIENCES (GENERAL)

Includes educational matters.

81 ADMINISTRATION AND MANAGEMENT

Includes management planning and research.

82 DOCUMENTATION AND INFORMATION SCIENCE

Includes information management; information storage and retrieval technology; technical writing; graphic arts; and micrography.

For computer documentation see *61 Computer Programming and Software*.

83 ECONOMICS AND COST ANALYSIS

Includes cost effectiveness studies.

84 LAW, POLITICAL SCIENCE AND SPACE POLICY

Includes NASA appropriation hearings; aviation law; space law and policy; international law; international cooperation; and patent policy.

85 URBAN TECHNOLOGY AND TRANSPORTATION

Includes applications of space technology to urban problems; technology transfer; technology assessment; and surface and mass transportation.

For related information see *03 Air Transportation and Safety*, *16 Space Transportation*, and *44 Energy Production and Conversion*.

SPACE SCIENCES

Includes space sciences (general); astronomy; astrophysics; lunar and planetary exploration; solar physics; and space radiation.

For related information see also *Geosciences*.

88 SPACE SCIENCES (GENERAL)

89 ASTRONOMY

Includes radio, gamma-ray, and infrared astronomy; and astrometry.

90 ASTROPHYSICS

Includes cosmology; celestial mechanics; space plasmas; and interstellar and interplanetary gases and dust.

For related information see also *75 Plasma Physics*.

91 LUNAR AND PLANETARY EXPLORATION

Includes planetology; and manned and unmanned flights.

For spacecraft design or space stations see *18 Spacecraft Design, Testing and Performance*.

92 SOLAR PHYSICS

Includes solar activity, solar flares, solar radiation and sunspots.

For related information see *93 Space Radiation*.

93 SPACE RADIATION

Includes cosmic radiation; and inner and outer earth's radiation belts.

For biological effects of radiation see *52 Aerospace Medicine*. For theory see *73 Nuclear and High-Energy Physics*.

GENERAL

Includes aeronautical, astronautical, and space science related histories, biographies, and pertinent reports too broad for categorization; histories or broad overviews of NASA programs.

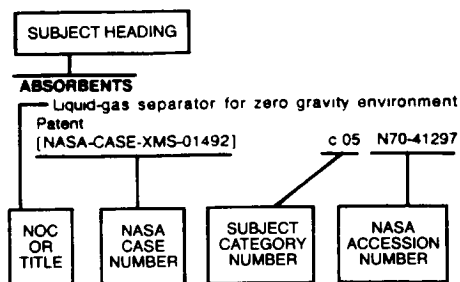
99 GENERAL

Section 2 • Indexes

SUBJECT INDEX	A-1
INVENTOR INDEX	B-1
SOURCE INDEX	C-1
CONTRACT NUMBER INDEX	D-1
NUMBER INDEX	E-1
ACCESSION NUMBER INDEX	F-1

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

Typical Subject Index Listing



The subject heading is a key to the subject content of the document. A brief description of the document, e.g., title, title plus a title extension, or Notation of Content (NOC), is included for each subject entry to indicate the subject heading context; these descriptions are arranged under each subject heading in ascending accession number order. The NASA Case Number serves as the prime access number to the patent documents. The Subject Category Number indicates the category in Section 1 (Abstracts) in which the patent citation and abstract are located. The NASA accession number denotes the number by which the citation is identified within the subject category.

A

ABERRATION

High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

ABILITIES

Kinesimetric method and apparatus
[NASA-CASE-MS-18929-1] c 39 N83-20280

ABLATION

Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075

Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925

Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586

Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911

ABLATIVE MATERIALS

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322

Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623

Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834

Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100

Stand-off type ablative heat shield
[NASA-CASE-MS-12143-1] c 33 N72-17947

Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911

Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952

Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796

Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652

Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376

Thermal protection system
[NASA-CASE-MS-18796-1] c 24 N82-26389

ABORT APPARATUS

Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846

ABRASION

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

ABRASION RESISTANCE

Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581

Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854

Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371

Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MS-18382-1] c 27 N82-16238

Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MS-18382-2] c 27 N84-14324

ABRASIVES

Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N86-23750

ABSORBENTS

Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297

Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967

Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390

Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086

Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

Absorbent product and articles made therefrom
[NASA-CASE-MS-18223-2] c 54 N84-11758

ABSORBERS (EQUIPMENT)

Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MS-18223-1] c 24 N82-29362

ABSORBERS (MATERIALS)

Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

A water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755

ABSORPTION

Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867

Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1-CU] c 35 N86-29174

ABSORPTION CROSS SECTIONS

Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MS-12280] c 27 N71-16348

ABSORPTION SPECTRA

Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N86-20777

ABSORPTION SPECTROSCOPY

Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264

ABSORPTIVITY

Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551

Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875

AC GENERATORS

Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468

Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890

Superconducting alternator Patent
[NASA-CASE-XNP-02823] c 09 N71-23443

Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319

Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660

ACCELERATION

Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699

ACCELERATION (PHYSICS)

Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815

Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196

Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881

Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169

Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

ACCELERATION PROTECTION

Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819

G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268

ACCELERATION STRESSES (PHYSIOLOGY)

Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881

ACCELERATION TOLERANCE

Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185

ACCELERATORS

Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071

Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

ACCELEROMETERS

Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969

Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627

Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265

Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410

Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094

Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347

ACCEPTABILITY

Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395

ACCEPTOR MATERIALS

III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

ACCIDENT PREVENTION

CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

ACCOMMODATION

Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193

ACCUMULATORS

Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319

Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992

Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747

Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208

Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399

Method for fabricating solar cells having integrated collector grits
[NASA-CASE-LEW-12819-2] c 44 N79-18444

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711

Urine collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489

ACETALS

Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243

ACETATES

Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228

ACETYL COMPOUNDS

Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom
[NASA-CASE-LAR-13262-1] c 23 N85-28973

ACETYLENE

Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500

Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof
[NASA-CASE-LAR-13318-1] c 27 N87-14516

Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907

ACOUSTIC ATTENUATION

Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432

ACOUSTIC DUCTS

Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

ACOUSTIC EMISSION

Acoustic emission frequency discrimination
[NASA-CASE-MSC-20467-1] c 35 N87-14676

ACOUSTIC EXCITATION

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

ACOUSTIC IMPEDANCE

Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733

Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933

Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145

Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618

ACOUSTIC LEVITATION

Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767

Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086

Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515

System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516

Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846

Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940

Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233

Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568

High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105

Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693

Single mode levitation and translation
[NASA-CASE-NPO-16675-1-CU] c 71 N86-20087

Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752

Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718

Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551

ACOUSTIC MEASUREMENT

Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232

Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867

Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390

System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993

Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933

Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1CU] c 35 N86-32700

ACOUSTIC PROPAGATION

Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774

Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

ACOUSTIC PROPERTIES

Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779

Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379

Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390

ACOUSTICAL HOLOGRAPHY

Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447

ACOUSTICS

Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416

Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233

Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765

ACOUSTO-OPTICS

Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325

Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411

Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867

Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015

Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589

ACRYLATES

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

ACRYLONITRILES

Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789

ACTIVATED CARBON

Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

ACTIVATION ENERGY

Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579

Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034

ACTUATION

Magetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404

ACTUATOR DISKS

Cryogenic gyroscope housing --- with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323

ACTUATORS

Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929

Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667

Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078

Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045

Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611

Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635

Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754

Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153

Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463

Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195

Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456

Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371

Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477

Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466

Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467

Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127

Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060

Dual output variable pitch turbopfan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025

Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735

Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426

Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432

Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484

Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085

Slow opening valve --- valve design for shuttle portable oxygen system
[NASA-CASE-MSC-20112-1] c 37 N85-20338

Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769

SUBJECT INDEX

- Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604
- Universal clamp
[NASA-CASE-MSC-20549-1] c 37 N86-19612
- Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288
- ADAPTATION**
Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MSC-20821-1] c 17 N86-20466
- ADAPTERS**
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- ADAPTIVE CONTROL**
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
- Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
- Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- ADAPTIVE FILTERS**
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- ADAPTIVE OPTICS**
Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900
- ADDING CIRCUITS**
Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
- Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
- ADDITION RESINS**
Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- ADDITIVES**
Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
- ADDRESSING**
Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- ADENOSINE TRIPHOSPHATE**
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- ADHESION**
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371

ADHESION TESTS

- Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132

ADHESIVE BONDING

- Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
- Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561
- Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
- Inductive energy for rapid strain gauge attachment
[NASA-CASE-LAR-13237-1] c 35 N86-24960

ADHESIVES

- Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
- Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
- Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
- Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
- Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349
- Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
- Aminophenoxycyclophosphazene cured epoxy resins and the composites, laminates and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N86-21686

ADJUSTING

- Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
- Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
- Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
- Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N86-24993

AERIAL RUDDERS

- Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

AEROACOUSTICS

- Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107

AERODYNAMIC STABILITY

AEROBRAKING

- Aerobraking orbital transfer vehicle
[NASA-CASE-MSC-20921-1] c 18 N86-20471

AERODYNAMIC BRAKES

- Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
- Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034

AERODYNAMIC CHARACTERISTICS

- Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
- Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
- Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

AERODYNAMIC CONFIGURATIONS

- Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
- Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
- Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
- Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
- Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907
- Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
- Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061

AERODYNAMIC DRAG

- Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057

AERODYNAMIC HEATING

- Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947

AERODYNAMIC INTERFERENCE

- Over-the-wing propeller
[NASA-CASE-LAR-13134-2] c 07 N87-16828

AERODYNAMIC LOADS

- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
- Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

AERODYNAMIC NOISE

- Over-the-wing propeller
[NASA-CASE-LAR-13134-2] c 07 N87-16828
- Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
- Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

AERODYNAMIC STABILITY

- Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
- Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
- Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- Over-the-wing propeller
[NASA-CASE-LAR-13134-2] c 07 N87-16828

AERODYNAMIC STALLING

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

AEROELASTICITY

Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504

AERONAUTICAL ENGINEERING

Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816

AEROSOLS

Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184

AEROSPACE ENGINEERING

Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317

AEROSPACE ENVIRONMENTS

Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
Wobble gear drive mechanism --- for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913
Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
Flexible diaphragm: Extreme temperature usage
[NASA-CASE-MSC-20797-1] c 37 N86-20806
Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259
Gas particle radiator
[NASA-CASE-LEW-14297-1] c 35 N87-15452
Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679

AEROSPACE MEDICINE

Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721

AEROSPACE VEHICLES

Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 05 N86-19310

AEROSPACEPLANES

Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

AFTERBODIES

Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231

AFTERBURNING

Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374

AGGLOMERATION

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

AGING (MATERIALS)

Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236

AGRICULTURE

Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

AILERONS

Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

AIR

Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N86-26595

AIR BREATHING ENGINES

Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

AIR CONDITIONING

Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410

AIR CONDITIONING EQUIPMENT

Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902

AIR COOLING

Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264

AIR FILTERS

Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457

AIR FLOW

Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366

AIR INTAKES

Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Reversed cowl flap inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603

AIR LOCKS

Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840
Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900

AIR NAVIGATION

Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132

AIR POLLUTION

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-NPO-10180-1] c 06 N71-13461
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

AIR PURIFICATION

High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280

AIR SAMPLING

Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217

AIR START

Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

AIR TRAFFIC CONTROL

Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

AIR TRANSPORTATION

Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797

AIRBORNE EQUIPMENT

Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

AIRBORNE/SPACEBORNE COMPUTERS

Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914

AIRCRAFT

System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443

AIRCRAFT ACCIDENTS

Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948

AIRCRAFT ANTENNAS

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

AIRCRAFT COMPARTMENTS

Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

AIRCRAFT CONFIGURATIONS

Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Television simulation for aircraft and space flight Patent

[NASA-CASE-XFR-03107] c 09 N71-19449
Dual-fuselage aircraft having yawable wing and horizontal stabilizer

[NASA-CASE-ARC-10470-1] c 02 N73-26005

Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136

AIRCRAFT CONSTRUCTION MATERIALS

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450

AIRCRAFT CONTROL

Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038

Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570

Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110

High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128

Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595

Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004

Display system
[NASA-CASE-ERC-10350] c 14 N73-20474

Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004

Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930

High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914

Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097

Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152

Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522

Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985

High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N87-18561

AIRCRAFT DESIGN

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005

Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914

Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086

Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732

Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793

AIRCRAFT DETECTION

Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211

Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

AIRCRAFT ENGINES

Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118

Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808

AIRCRAFT EQUIPMENT

Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437

Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 33 N86-20671

Lightning discharge protection rod
[NASA-CASE-LAR-13470-1] c 03 N86-26296

Fire resistant polyamide based on 1-(diorganooxyphosphonyl)methyl-2,4- and -2,6-diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568

AIRCRAFT FUEL SYSTEMS

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

AIRCRAFT GUIDANCE

Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420

Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231

AIRCRAFT HAZARDS

Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

AIRCRAFT HYDRAULIC SYSTEMS

Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

AIRCRAFT INSTRUMENTS

Altitude take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807

Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824

Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157

Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114

Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733

System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443

AIRCRAFT LANDING

Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858

Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619

Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930

Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280

Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083

Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

AIRCRAFT LAUNCHING DEVICES

Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076

AIRCRAFT MANEUVERS

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

AIRCRAFT MODELS

Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926

Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246

Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014

AIRCRAFT NOISE

Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232

AIRCRAFT PERFORMANCE

Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257

High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N87-18561

AIRCRAFT PILOTS

Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597

AIRCRAFT SAFETY

Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807

Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643

Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394

Ice detector
[NASA-CASE-LAR-13403-1] c 03 N86-24673

AIRCRAFT SPIN

Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147

Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200

AIRCRAFT STABILITY

Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422

Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004

High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N87-18561

AIRCRAFT STRUCTURES

Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003

Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085

Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129

Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230

Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737

Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214

Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349

The 1-(diorganooxyphosphonyl)methyl-2, 4- and -2, 6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499

Ice detector
[NASA-CASE-LAR-13403-1] c 03 N86-24673

Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630

Fire resistant polyamide based on 1-(diorganooxyphosphonyl)methyl-2,4- and -2,6-diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568

AIRCRAFT TIRES

Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402

Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443

AIRCRAFT WAKES

System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300

AIRFOIL PROFILES

Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136

AIRFOILS

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594
High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N87-14282

AIRFRAMES

Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

AIRSPEED

Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295

ALCOHOLS

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144

ALDEHYDES

Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188

ALIGNMENT

Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478

Guide for a typewriter

[NASA-CASE-MFS-15218-1] c 37 N77-19457
Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 74 N86-20126
Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N86-24993
Simulator scene display evaluation device
[NASA-CASE-ARC-11504-1] c 09 N86-32447

ALIPHATIC COMPOUNDS

The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
ALKALI HALIDES
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

ALKALI METALS

Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

ALKALINE BATTERIES

Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728
Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144

ALKALINE EARTH OXIDES

Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229

ALKYL COMPOUNDS

Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744

ALKYNES

High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

ALLOYS

Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

ALPHA PARTICLES

Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334

ALPHANUMERIC CHARACTERS

X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517

ALTERNATING CURRENT

Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886
Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660
Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083

ALTIMETERS

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

ALTITUDE

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

ALTITUDE CONTROL

Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925

ALUMINUM

Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034

- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- ALUMINUM ALLOYS**
- Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
- Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
- ALUMINUM COATINGS**
- Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
- Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
- Method of protecting the surface of a substrate --- by applying aluminate coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261
- Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
- Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Silicon-slurry/aluminate coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- ALUMINUM COMPOUNDS**
- Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- ALUMINUM OXIDES**
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262
- ALUMINUM SILICATES**
- Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- AMBIENT TEMPERATURE**
- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- AMIDES**
- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- AMINES**
- Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
- Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- Metal (2) 4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416
- Amine terminated bispartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
- AMINO ACIDS**
- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- AMMONIA**
- Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
- AMMONIUM NITRATES**
- High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
- AMMONIUM PERCHLORATES**
- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- AMORPHOUS MATERIALS**
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551
- AMPLIFICATION**
- Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
- Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
- High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
- Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356
- AMPLIFIER DESIGN**
- Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
- Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145
- Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670
- AMPLIFIERS**
- Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
- Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
- High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
- Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679
- AMPLITUDE DISTRIBUTION ANALYSIS**
- System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
- Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- AMPLITUDE MODULATION**
- Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
- Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
- Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
- Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- AMPLITUDES**
- Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
- Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- AMPOULES**
- Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633
- Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- ANALGESIA**
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- ANALOG CIRCUITS**
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
- Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
- ANALOG COMPUTERS**
- Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- ANALOG DATA**
- Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Analog Signal to Discrete Time Interval Converter (ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
- ANALOG SIMULATION**
- Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

ANALOG TO DIGITAL CONVERTERS

- Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501
- Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
- Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
- Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
- Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
- Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
- Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
- Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166
- Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
- Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345
- Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701
- Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761

ANALYZERS

- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
- NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
- Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431
- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400

ANEMOMETERS

- Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
- Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292

ANGIOGRAPHY

- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724

ANGLE OF ATTACK

- Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

ANGLES (GEOMETRY)

- Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
- Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055

ANGULAR ACCELERATION

- Angular accelerometer Patent
[NASA-CASE-XMS-05936] c 14 N70-41682

ANGULAR CORRELATION

- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490

ANGULAR DEFLECTION

- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138

ANGULAR MOMENTUM

- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- Fluidic momentum controller
[NASA-CASE-MSC-20906-1] c 18 N86-19344

ANGULAR RESOLUTION

- Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179

ANGULAR VELOCITY

- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1CU] c 35 N86-32695

ANHYDRIDES

- Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- The 1 - (dialkoxyposphoryl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376
- Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566

ANILINE

- Process for preparation of diaminosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230

ANIMALS

- Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

ANISOTROPIC MEDIA

- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188

ANNEALING

- Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- CDS solid state phase insensitive ultrasonic transducer --- annealing gadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559

ANNULAR NOZZLES

- Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213

ANNULAR PLATES

- Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

ANNULI

- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017

ANODES

- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
- Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

- Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

- Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680

ANODIC COATINGS

- Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449

ANOMALIES

- Aircraft lifter
[NASA-CASE-LAR-12518-1] c 06 N86-27280

ANTENNA ARRAYS

- Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
- Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
- Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
- Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
- Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
- Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390

ANTENNA COMPONENTS

- Digital servo controller --- for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

- Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
- ANTENNA COUPLERS**
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- ANTENNA DESIGN**
Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056
Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980
Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
Dish antenna having switchable beamwidth --- with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
Furlable antenna --- antenna design
[NASA-CASE-NPO-13553-1] c 33 N76-32457
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604
Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
- ANTENNA FEEDS**
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- ANTENNA RADIATION PATTERNS**
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390

ANTENNAS

- Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

ANTIBIOTICS

- Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

ANTIFRICTION BEARINGS

- Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383
Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482

ANTIGRAVITY

- Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789

ANTIHISTAMINICS

- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

ANTIREFLECTION COATINGS

- Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597

ANVILS

- Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446

APERTURES

- Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431
Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732
Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408

APOLLO PROJECT

- Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

APOLLO SPACECRAFT

- Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450

APPLICATIONS OF MATHEMATICS

- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

APPROACH

- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

AQUATIC PLANTS

- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654

AQUEOUS SOLUTIONS

- Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245

Method for separating biological cells --- suspended in aqueous polymer systems

[NASA-CASE-MFS-23883-1] c 51 N80-16715

Method of forming dynamic membrane on stainless steel support

[NASA-CASE-MSC-18172-1] c 26 N80-19237

Method of cross-linking polyvinyl alcohol and other water soluble resins

[NASA-CASE-LEW-13103-1] c 27 N80-32516

Electrophotolysis oxidation system for measurement of organic concentration in water

[NASA-CASE-MSC-16497-1] c 25 N82-12166

Liquid immersion apparatus for minute articles

[NASA-CASE-MFS-25363-1] c 37 N82-12441

Coal desulfurization by aqueous chlorination

[NASA-CASE-NPO-14902-1] c 25 N82-29371

Hydrodesulfurization of chlorinated coal

[NASA-CASE-NPO-15304-1] c 25 N83-31743

ARC DISCHARGES

Device for preventing high voltage arcing in electron beam welding Patent

[NASA-CASE-XMF-08522] c 15 N71-19486

Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent

[NASA-CASE-XLA-03103] c 25 N71-21693

Method and apparatus for nondestructive testing --- using high frequency arc discharges

[NASA-CASE-MFS-21233-1] c 38 N74-15395

Sustained arc ignition system

[NASA-CASE-LEW-12444-1] c 33 N77-28385

ARC HEATING

Electric-arc heater Patent

[NASA-CASE-XLA-00330] c 33 N70-34540

Electric arc device for heating gases Patent

[NASA-CASE-XAC-00319] c 25 N70-41628

Annular arc accelerator shock tube

[NASA-CASE-NPO-13528-1] c 09 N77-10071

ARC JET ENGINES

Magneto-plasma-dynamic arc thruster

[NASA-CASE-LEW-11180-1] c 25 N73-25760

ARC LAMPS

Starting circuit for vapor lamps and the like Patent

[NASA-CASE-XNP-01058] c 09 N71-12540

Compact, high intensity arc lamp with internal magnetic field producing means

[NASA-CASE-NPO-11510-1] c 33 N77-21315

Depressurization of arc lamps

[NASA-CASE-NPO-10790-1] c 33 N77-21316

Arc control in compact arc lamps

[NASA-CASE-NPO-10870-1] c 33 N77-22386

Purging means and method for Xenon arc lamps

[NASA-CASE-NPO-11978] c 31 N78-17238

Multiple anode arc lamp system

[NASA-CASE-NPO-10857-1] c 33 N80-14330

Arc lamp power supply

[NASA-CASE-LAR-13202-1] c 33 N86-32626

Self-clamping arc light reflector for welding torch

[NASA-CASE-MFS-29207-1] c 74 N87-15786

ARC SPRAYING

Arc spray fabrication of metal matrix composite monolayer

[NASA-CASE-LEW-13828-1] c 24 N85-30027

ARC WELDING

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent

[NASA-CASE-XMF-02039] c 15 N71-15871

Automatic closed circuit television arc guidance control Patent

[NASA-CASE-MFS-13046] c 07 N71-19433

Device for preventing high voltage arcing in electron beam welding Patent

[NASA-CASE-XMF-08522] c 15 N71-19486

Welding skate with computerized control Patent

[NASA-CASE-XMF-07069] c 15 N71-23815

Grain refinement control in TIG arc welding

[NASA-CASE-MSC-19095-1] c 37 N75-19683

Self-clamping arc light reflector for welding torch

[NASA-CASE-MFS-29207-1] c 74 N87-15786

ARCHITECTURE

Foldable construction block

[NASA-CASE-MSC-12232-2] c 32 N73-13921

ARCHITECTURE (COMPUTERS)

Massively parallel processor computer

[NASA-CASE-GSC-12223-1] c 60 N83-25378

Distributed multipoint memory architecture

[NASA-CASE-NPO-15342-1] c 60 N83-32342

High dynamic global positioning system receiver

[NASA-CASE-NPO-16171-1CU] c 04 N86-27270

ARGON

Liquid crystal light valve structures

[NASA-CASE-MSC-20036-1] c 76 N85-33826

ARM (ANATOMY)

Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot

[NASA-CASE-LAR-10550-1] c 09 N74-30597

Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551

ARMATURES

Direct current motor with stationary armature and field
Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834

AROMATIC COMPOUNDS

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

ARRAYS

Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763

ARTERIES

Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566

ARTIFICIAL CLOUDS

Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097

ARTIFICIAL GRAVITY

Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750

ARTIFICIAL SATELLITES

Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324

ASBESTOS

Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204

ASPECT RATIO

Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011

ASPHALT

Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228

ASSAYING

Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569

ASSEMBLIES

Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299
Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336

X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 74 N86-20126
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670

ASSEMBLING

Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289

ASTRONAUT LOCOMOTION

Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651

ASTRONAUT MANEUVERING EQUIPMENT

Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

ASTRONAUT PERFORMANCE

Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735

ASTRONAUT TRAINING

Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474

ASTRONAUTS

Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127

ASTRONAVIGATION

Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

ASTRONOMICAL PHOTOGRAPHY

Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419

ASTRONOMICAL TELESCOPES

Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969

ASYMMETRY

Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361

ATMOSPHERIC COMPOSITION

Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217

ATMOSPHERIC DENSITY

System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443

ATMOSPHERIC ENTRY

Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563

Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015

ATMOSPHERIC ENTRY SIMULATION

Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436

ATMOSPHERIC MOISTURE

Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

ATMOSPHERIC PHYSICS

Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318

ATMOSPHERIC PRESSURE

Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639

ATMOSPHERIC RADIATION

Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432

ATMOSPHERIC REFRACTION

Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344

ATMOSPHERIC SCATTERING

Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

ATMOSPHERIC SOUNDING

Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

ATMOSPHERIC TEMPERATURE

System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639

ATMOSPHERIC TURBULENCE

Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

ATOMIC EXCITATIONS

Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127

ATOMIZERS

Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406

ATS

Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

ATTACHMENT

Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150

ATTENUATORS

Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

ATTITUDE (INCLINATION)

Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391

ATTITUDE CONTROL

Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943

Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996

Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581

Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746

Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771

Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545

Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132

Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159

Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582

Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583

Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642

Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629

Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880

Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750

Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160

Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089

Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094

Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951

Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522

Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247

Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299

Three axis attitude control system
[NASA-CASE-GSC-12970-1] c 08 N86-20396

Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N86-26368

Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670

ATTITUDE GYROS

Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395

Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113

ATTITUDE INDICATORS

Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692

Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089

Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284

Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

ATTITUDE STABILITY

Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295

Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873

Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064

AUDIO EQUIPMENT

Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244

AUDIO FREQUENCIES

Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430

Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408

AUDIO SIGNALS

Method and apparatus for operating on companded PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N86-27513

AUDITORY DEFECTS

Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375

AUDITORY PERCEPTION

Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014

AUDITORY SIGNALS

Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181

Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244

AUDITORY STIMULI

Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014

AUGER EFFECT

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

AUSTENITIC STAINLESS STEELS

Nickel aluminide coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414

Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257

AUTOCALVES

System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

AUTOCORRELATION

Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476

AUTOMATIC CONTROL

Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987

Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955

Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057

Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545

Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607

Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573

Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568

Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050

Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548

Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042

Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276

Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605

Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861

Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182

Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244

Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754

Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098

Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244

Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246

Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771

Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071

Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107

Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771

Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968

Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014

Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888

Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396

Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466

Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529

Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257

Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245

Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116

Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154

Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356

Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337

Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N86-20668

Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850

AUTOMATIC CONTROL VALVES

Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925

Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648

Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453

Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050

Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784

Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483

AUTOMATIC FREQUENCY CONTROL

Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543

Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181

Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247

Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231

Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679

Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761

AUTOMATIC GAIN CONTROL

Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330

AUTOMATIC TEST EQUIPMENT

- Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
- Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
- Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

AUTOMATION

- Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

AUTOMOBILE ENGINES

- Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- Controller for computer control of brushless dc motors
--- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352

AUTOMOBILE FUELS

- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700

AUTONOMOUS NAVIGATION

- Autonomous navigation system --- gyroscopic pendulum
for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

AUXILIARY POWER SOURCES

- Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319

AVERAGE

- Method of and apparatus for generating an interstitial
point in a data stream having an even number of data
points
[NASA-CASE-MFS-25319-1] c 60 N85-33701

AVIONICS

- Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522

AXES (REFERENCE LINES)

- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
- Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
- Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355

AXES OF ROTATION

- Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
- Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
- Trigonometric vehicle guidance assembly which aligns
the three perpendicular axes of two three-axes systems
Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
- Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620

AXIAL COMPRESSION LOADS

- Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
- Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

AXIAL FLOW

- Monogroove heat pipe design: Insulated liquid channel
with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194

AXIAL FLOW TURBINES

- Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
- Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895
- Method and turbine for extracting kinetic energy from
a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335

AXIAL LOADS

- Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
- Method for measuring biaxial stress in a body subjected
to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511

AXIAL STRESS

- Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459

- Method for measuring biaxial stress in a body subjected
to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511

AZIMUTH

- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

AZINES

- Azine polymers and process for preparing the same
Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Catalytic trimerization of aromatic nitriles and
triaryl-s-triazine ring cross-linked high temperature
resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Perfluoroalkyl polytriazines containing pendent
iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Process for the preparation of fluorine containing
crosslinked elastomeric polytriazine and product so
produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259

AZO COMPOUNDS

- Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177

AZOLES

- Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908

B

BACK INJURIES

- Spine immobilization apparatus
[NASA-CASE-XNP-11167-1] c 52 N81-25662

BACKGROUND NOISE

- Electronic background suppression method and
apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

BACKGROUND RADIATION

- Method and apparatus for background signal reduction
in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411

BACKSCATTERING

- Method and apparatus for determining electromagnetic
characteristics of large surface area passive reflectors
Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
- Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091

BACKUPS

- Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935

BACKWARD WAVES

- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
- Dielectric based submillimeter backward wave oscillator
circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974

BACTERIA

- Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- Method of detecting and counting bacteria in body
fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
- Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178
- Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
- Determination of antimicrobial susceptibilities on
infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- Method and apparatus for eliminating luminol
interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
- Rapid, quantitative determination of bacteria in water
--- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569

BACTERIOLOGY

- Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435

- Application of luciferase assay for ATP to antimicrobial
drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677

BAFFLES

- Light radiation direction indicator with a baffle of two
parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
- Anti-glare improvement for optical imaging systems
Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
- Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
- Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
- Floating baffle to improve efficiency of liquid transfer
from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
- System for the measurement of ultra-low stray light levels
--- determining the adequacy of large space telescope
systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- Pressure letdown method and device for coal conversion
systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N86-20125

BAGS

- Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- Gas diffusion liquid storage bag and method of use for
storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749

BAKING

- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- A method and technique for installing light-weight fragile,
high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

BALANCE

- Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
- Device for monitoring a change in mass in varying
gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945

BALANCING

- Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
- Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264
- Method and apparatus for rebalancing a REDOX flow
cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680

BALL BEARINGS

- Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
- High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
- Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
- Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
- Drilled ball bearing with a one piece anti-tipping cage
assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
- Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404
- Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N86-32698

BALLAST (MASS)

- Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006

BALLASTS (IMPEDANCES)

- Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
- Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427

BALLISTICS

- Fiber modified polyurethane foam for ballistic
protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310

BALLOON SOUNDING

- Apparatus for controlling the temperature of
balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039

BALLOONS

- Hot air balloon deceleration and recovery system
Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
- Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081

- System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- BALLS**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- BANDPASS FILTERS**
Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
Dichroic plate --- as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145
Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 74 N86-29650
- BANDWIDTH**
Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MSC-20821-1] c 17 N86-20466
- BARIUM**
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
- BARIUM COMPOUNDS**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
- BARIUM FLUORIDES**
Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105
Carbide/fluoride/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179
- BARIUM ION CLOUDS**
Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- BARIUM TITANATES**
Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
- BARRIER LAYERS**
Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
Method of measuring field funneling and range straggling in semiconductor charge-collecting junctions
[NASA-CASE-NPO-16584-1-CU] c 76 N86-25269
- BARRIERS**
Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- BARS**
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- BASES (CHEMICAL)**
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- BATTERY CHARGERS**
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531
- BAYARD-ALPERT IONIZATION GAGES**
Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- BAYS (STRUCTURAL UNITS)**
Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867
- BEADS**
Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- BEAM LEADS**
Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951
- BEAM SPLITTERS**
Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N87-17026
- BEAM SWITCHING**
Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
Dish antenna having switchable beamwidth --- with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516
Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-1968-1] c 32 N76-15329
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
- BEAM WAVEGUIDES**
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
- BEAMS (RADIATION)**
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N86-20780
- BEAMS (SUPPORTS)**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479
Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N87-14413
Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N87-15260
- BEARING**
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670
- BEARING (DIRECTION)**
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- BEARINGS**
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
Magnetic bearing --- for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574
Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299
Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581
- BEDS (PROCESS ENGINEERING)**
Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428
- BEER LAW**
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- BEES**
Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- BELLOWS**
Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706

BELTS

Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

BENDING

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408

BENDING DIAGRAMS

Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095

BENDING FATIGUE

Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659

BENDING MOMENTS

Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606

BENDING VIBRATION

Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626

BENZENE

Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
Fire resistant polymers based on 1-((dialkoxyposphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525

BERYLLIUM ALLOYS

Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015

BERYLLIUM HYDRIDES

Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

BERYLLIUM OXIDES

High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455

BIMETALS

Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

BINARY CODES

Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407

Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209

Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850

Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289

Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313

BINARY DATA

Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743

Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602

Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693

Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613

Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654

Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

BINARY DIGITS

Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778

Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787

Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502

Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505

Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571

Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295

High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176

A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254

Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850

BINARY FLUIDS

Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503

BINARY TO DECIMAL CONVERTERS

Binary to binary-coded-decimal converter Patent
[NASA-CASE-NXP-00432] c 08 N70-35423

High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544

BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890

High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

BINDERS (MATERIALS)

Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400

Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125

Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

BINOCULARS

Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882

BIOASSAY

Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676

Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149

Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052

Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123

Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891

Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694

Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

BIODEGRADATION

Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654

BIODYNAMICS

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772

Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

BIOELECTRIC POTENTIAL

Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925

Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120

Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769

BIOELECTRICITY

Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002

Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

BIOENGINEERING

Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851

Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735

Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772

Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711

Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577

Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744

Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388

BIOINSTRUMENTATION

Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440

Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193

Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346

EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729

Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002

Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726

Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329

Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835

Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780

Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772

Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716

Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717

Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580

Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691

Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067

- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Logic-controlled occlusive cuff system
[NASA-CASE-MS-C-14836-1] c 52 N82-11770
- Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
- BIOLUMINESCENCE**
- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- BIOMEDICAL DATA**
- Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- BIOMETRICS**
- Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
- Compressible biomedical electrode
[NASA-CASE-MS-C-13648] c 05 N72-27103
- Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
- Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- BIOTELEMETRY**
- Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MS-C-14180-1] c 52 N76-14757
- Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- BIPOLAR TRANSISTORS**
- Voltage regulator for battery power source --- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- BIREFRINGENCE**
- Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
- BISMALEIMIDE**
- Amine terminated bisaspartamide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
- Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
- Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908
- BISMUTH**
- Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- BISMUTH COMPOUNDS**
- Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- BISTABLE CIRCUITS**
- AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- BIT SYNCHRONIZATION**
- Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
- Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
- Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- BITERINARY CODE**
- Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- BITS**
- Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
- MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
- Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MS-C-12743-1] c 32 N79-10263
- BITUMENS**
- Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- BLACK BODY RADIATION**
- Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- BLADDER**
- Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- BLADE TIPS**
- Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- BLADES**
- Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- BLADES (CUTTERS)**
- Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
- Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
- Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- BLAST LOADS**
- Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
- BLOOD**
- Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- BLOOD FLOW**
- Logic-controlled occlusive cuff system
[NASA-CASE-MS-C-14836-1] c 52 N82-11770
- BLOOD PRESSURE**
- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
- Apparatus and method for processing Korotkov sounds --- for blood pressure measurement
[NASA-CASE-MS-C-13999-1] c 52 N74-26626
- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- BLOOD VESSELS**
- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- BLUFF BODIES**
- Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
- BLUNT BODIES**
- Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
- BODIES OF REVOLUTION**
- Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
- BODY FLUIDS**
- Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- BODY KINEMATICS**
- Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092
- Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
- Kinesimetric method and apparatus
[NASA-CASE-MS-C-18929-1] c 39 N83-20280
- BODY MEASUREMENT (BIOLOGY)**
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
- Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- Kinesimetric method and apparatus
[NASA-CASE-MS-C-18929-1] c 39 N83-20280
- Apparatus for determining changes in limb volume
[NASA-CASE-MS-C-18759-1] c 52 N83-27578
- BODY TEMPERATURE**
- Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- BODY VOLUME (BIOLOGY)**
- Whole body measurement systems --- for weightlessness simulation
[NASA-CASE-MS-C-13972-1] c 52 N74-10975
- Apparatus for determining changes in limb volume
[NASA-CASE-MS-C-18759-1] c 52 N83-27578
- BODY-WING CONFIGURATIONS**
- Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- BOILERS**
- Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
- Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
- Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- BOLOMETERS**
- Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
- Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- BOLTS**
- Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
- Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
- Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
- Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
- Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630
- BONDING**
- Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
- Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MS-C-14182-1] c 27 N76-14264
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

- Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-XSC-18741-1] c 27 N82-29456
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
- Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841

BONES

- Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
- Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215

BOOMS (EQUIPMENT)

- Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
- Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
- Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
- Space station erectable manipulator placement system
[NASA-CASE-MSC-21096-1] c 18 N87-18596

BOOSTER RECOVERY

- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
- Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161

BOOSTER ROCKET ENGINES

- Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
- Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
- Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784

BOOTS (FOOTWEAR)

- Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675

BOREHOLES

- Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N86-23750

BORIDES

- Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205

BORING MACHINES

- Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
- Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709

BORON

- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329

BORON CARBIDES

- Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922

BORON CHLORIDES

- Preparation of B-Trichloroborazine
[NASA-CASE-ARC-11643-1-SB] c 23 N87-15275

BORON COMPOUNDS

- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205

BORON FLUORIDES

- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233

BOROSILICATE GLASS

- Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520

BOULES

- Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650

BOUNDARY LAYER CONTROL

- Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N86-26575

BOUNDARY LAYER FLOW

- Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
- Thin-element riblet surface
[NASA-CASE-LAR-13553-1] c 34 N87-18778

BOUNDARY LAYER SEPARATION

- Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
- Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

BOUNDARY LAYER TRANSITION

- Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N86-26575
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535

BOUNDARY LAYERS

- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410

BOXES (CONTAINERS)

- Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355

BRACKETS

- Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594
- Locking hinge
[NASA-CASE-MSC-21056-1] c 18 N87-18595

BRAILLE

- Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N86-25292

BRAKES (FOR ARRESTING MOTION)

- Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
- Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
- Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
- Moving body velocity arresting line --- stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601

BRAKING

- Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652
- Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726

BRAZING

- Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

- Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455

BREATHING APPARATUS

- Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
- Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799

BRICKS

- Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921

BRIGHTNESS

- Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479

BRIGHTNESS DISCRIMINATION

- Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
- Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
- Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890

BRITTLENESS

- Rock sampling --- apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068
- Rock sampling --- method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

BROADBAND

- Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720
- Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
- Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723

BROADBAND AMPLIFIERS

- Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415

BROADCASTING

- Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194

BROMINATION

- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380

BROMINE

- Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641

BROMINE COMPOUNDS

- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451

BRONZES

- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

BRUSHES

- Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818

BRUSHES (ELECTRICAL CONTACTS)

- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017

BUBBLES

- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

C

Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

BUCKLING
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323

BUFFER STORAGE
Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
Buffered analog converter
[NASA-CASE-KSC-10397] c 08 N72-25206
Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779
Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N86-25292

BUFFERS (CHEMISTRY)
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

BUILDINGS
Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454

BULBS
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362

BULKHEADS
Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948

BUOYANCY
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

BURNERS
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276

BURNING RATE
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

BURNOUT
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381

BURNS (INJURIES)
Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

BUS CONDUCTORS
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

BUTANES
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

BUTT JOINTS
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
Apparatus for welding sheet material --- butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376

BUTTERFLY VALVES
Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376

BUTYRIC ACID
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

BYPASSES
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095

CABLE FORCE RECORDERS

Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599

CABLES
Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540

CABLES (ROPES)
High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201
Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844
Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
Moving body velocity arresting line --- stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601

CADMIUM SULFIDES
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
CDS solid state phase insensitive ultrasonic transducer --- annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826

CALCIUM
Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271

CALCIUM FLUORIDES
Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-LAR-08511-2] c 18 N71-16105
Carbide/fluoride/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179

CALCIUM OXIDES
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162

CALCIUM PHOSPHATES
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072

CALCULATORS
Sun angle calculator
[NASA-CASE-MSC-12617-1] c 35 N76-29552

CALCULI
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913

CALIBRATING
Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932
Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432

High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392

Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
Ultrasonic angle beam standard reflector --- ultrasonic nondestructive inspection
[NASA-CASE-LAR-11533-1] c 71 N86-21276
Simulator scene display evaluation device
[NASA-CASE-ARC-11504-1] c 09 N86-32447
Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697

CALORIMETERS
Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426

CAMERA SHUTTERS
Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861

CAMERAS
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402

CAMS
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

CANARD CONFIGURATIONS
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086
Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231

- CANCER**
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- CANOPIES**
Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- CANS**
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- CANTILEVER BEAMS**
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- CANTILEVER MEMBERS**
Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
- CAPACITANCE**
Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679
- CAPACITANCE SWITCHES**
Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
- CAPACITORS**
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716
High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
- Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 33 N86-19516
A water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755
Ice detector
[NASA-CASE-LAR-13403-1] c 03 N86-24673
- CAPILLARY FLOW**
Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- CAPILLARY TUBES**
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
- CARBAZOLES**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- CARBIDES**
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- CARBOHYDRATES**
Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- CARBON**
Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587
- CARBON ARCS**
Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- CARBON COMPOUNDS**
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
- CARBON DIOXIDE**
Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408
Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- CARBON DIOXIDE LASERS**
Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- CARBON DIOXIDE REMOVAL**
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
- Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- CARBON FIBER REINFORCED PLASTICS**
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- CARBON FIBERS**
Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- CARBON MONOXIDE**
Carbon monoxide monitor --- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
- CARBON-CARBON COMPOSITES**
Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
Composite piston
[NASA-CASE-LAR-13435-1] c 37 N87-15464
- CARBONACEOUS MATERIALS**
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- CARBONATES**
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- CARBONIZATION**
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N84-25789
- CARBONYL COMPOUNDS**
Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- CARBORANE**
Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranycyclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Carboranyl-methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- CARBOXYL GROUP**
Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- CARBOXYLIC ACIDS**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455
- CARCINOGENS**
Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- CARDIAC VENTRICLES**
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- CARDIOGRAPHY**
Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760

CARDIOLOGY

- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895

CARDIOTACHOMETERS

- Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778

CARDIOVASCULAR SYSTEM

- G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388

CARGO

- Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294

CARRIER FREQUENCIES

- Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

CARRIER LIFETIME

- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251

CARRIER WAVES

- Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

CARRIERS

- Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

CARTESIAN COORDINATES

- Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179

CARTRIDGES

- Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813

CASCADE CONTROL

- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245

CASCADE FLOW

- Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
Degassing and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

CASE BONDED PROPELLANTS

- Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179

CASES (CONTAINERS)

- Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876

- Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808

CASSEGRAIN ANTENNAS

- Cassegrain antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000

CAST ALLOYS

- Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192

CASTING

- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
High intensity casting system
[NASA-CASE-NPO-16901-1-CU] c 31 N87-15327

CASTINGS

- Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570

CATALYSIS

- Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374

CATALYSTS

- Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721
Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541

CATALYTIC ACTIVITY

- Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541

CATHETERIZATION

- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095

CATHODE RAY TUBES

- Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618

- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
Very high intensity light source using a cathode ray tube --- electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250

CATHODES

- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149
Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680

CATIONS

- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115

CAVITATION FLOW

- Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

CAVITIES

- Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

CAVITY RESONATORS

- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

CELESTIAL BODIES

- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490

Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250

CELESTIAL NAVIGATION
Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

CELL ANODES
Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581

CELL DIVISION
Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769

CELLS
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742

CELLS (BIOLOGY)
System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126

CELLULOSE
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

CELLULOSE NITRATE
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267

CENTRAL PROCESSING UNITS
Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651

CENTRIFUGAL COMPRESSORS
Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081

CENTRIFUGAL FORCE
Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090

CENTRIFUGES
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829

CERAMIC BONDING
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
Composite piston
[NASA-CASE-LAR-13435-1] c 37 N87-15464

CERAMIC COATINGS
Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855

Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266

Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442

CERAMIC MATRIX COMPOSITES
Fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-14517

CERAMIC NUCLEAR FUELS
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729

CERAMICS
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205

CEREBROSPINAL FLUID
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095

CERMETS
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
Cermet composition and method of fabrication --- heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311
High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555

CESIUM
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383

CESIUM DIODES
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421
Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175

CESIUM ENGINES
Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197

CESIUM VAPOR
Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524

CHALCOGENIDES
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019

CHAMBERS
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749

CHANNEL FLOW
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930

CHANNELS (DATA TRANSMISSION)
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195
High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
Trellis coded modulation for transmission over fading mobile-satellite channel
[NASA-CASE-NPO-16904-1-CU] c 32 N87-18691

CHARACTER RECOGNITION
Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896

CHARGE COUPLED DEVICES
Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037

CHARGE DISTRIBUTION
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314

CHARGE EFFICIENCY
State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923

CHARGE EXCHANGE
Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148

CHARGE TRANSFER
Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727

CHARGE TRANSFER DEVICES

- Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416

CHARGED PARTICLES

- Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095
- Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
- Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
- Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
- Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489

CHARGING

- Synchronous orbit battery cyclor
[NASA-CASE-GSC-11211-1] c 03 N72-25020

CHARRING

- Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
- Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586

CHASSIS

- Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467

CHECKOUT

- Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359

CHELATES

- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

CHEMICAL ANALYSIS

- Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
- Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279

CHEMICAL AUXILIARY POWER UNITS

- Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

CHEMICAL BONDS

- Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353

CHEMICAL COMPOSITION

- Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof
[NASA-CASE-LAR-13318-1] c 27 N87-14516

CHEMICAL COMPOUNDS

- Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428

CHEMICAL ELEMENTS

- Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123

CHEMICAL ENGINEERING

- Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162

CHEMICAL EXPLOSIONS

- Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

CHEMICAL INDICATORS

- Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035

CHEMICAL MACHINING

- Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033

CHEMICAL PROPERTIES

- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

CHEMICAL REACTIONS

- Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-1235
- Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
- Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
- Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
- High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
- Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
- Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
- Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
- Metal containing polymers from cyclic tetrameric phenylphosphonitriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
- Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
- Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
- Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535

- Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
- Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
- Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
- Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
- Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-12405-1] c 45 N76-31714
- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- Process for producing tris /s(n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352
- Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
- The 1-(diorganooxophenonyl)methyl-2, 4- and -2, 6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499
- Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
- Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
- Preparation of B-Trichloroborazine
[NASA-CASE-ARC-11643-1-SB] c 23 N87-15275

CHEMICAL REACTORS

- Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589

CHEMICAL TESTS

- Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
- Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 25 N85-30039

CHEMILUMINESCENCE

- Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

CHEMISORPTION

Oxygen chemisorption cryogenic refrigerator
[NASA-CASE-NPO-16734-1-CU] c 31 N86-27467

CHEMOTHERAPY

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

CHIPS (ELECTRONICS)

Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441

CHIRP SIGNALS

Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443

CHLORIDES

The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515

CHLORINATION

Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743

CHLORINE

Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253

CHLOROPRENE RESINS

Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

CHOKES

Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154

CHOKES (RESTRICTIONS)

Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

CHOLESTEROL

Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270

CHROMATOGRAPHY

Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374

CHROMIUM

Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721

CHROMIUM ALLOYS

Method of heat treating age-hardenable alloys
[NASA-CASE-NPO-01311] c 26 N75-29236
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

CHROMIUM CARBIDES

Carbide/fluoride/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179

CHROMIUM COMPOUNDS

Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205

CHROMOSOMES

Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694

CINEMATOGRAPHY

High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411
Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402

CIRCUIT BOARDS

Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685

Polyimide resin-fiberglass cloth laminates for printed circuit boards

[NASA-CASE-MFS-20408] c 18 N73-12604
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
Connector --- for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567
Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118

CIRCUIT BREAKERS

Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204

CIRCUIT DIAGRAMS

Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315

CIRCUIT PROTECTION

Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526
Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366

Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404

CIRCUIT RELIABILITY

Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
Cross-contact chain
[NASA-CASE-NPO-16784-1] c 33 N87-10231

CIRCUITS

Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Fail-safe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479
High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424

- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
- Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974
- Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N85-20249
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670
- CIRCULAR CONES**
Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- CIRCULAR CYLINDERS**
Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- CIRCULAR POLARIZATION**
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- CIRCULAR TUBES**
Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797
- CIRCULATION CONTROL AIRFOILS**
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- CIRCULATORS (PHASE SHIFT CIRCUITS)**
Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- CLADDING**
Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613
- CLAMPING CIRCUITS**
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- CLAMPS**
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560
- Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- Self-clamping arc light reflector for welding torch
[NASA-CASE-MFS-29207-1] c 74 N87-15786
- CLAYS**
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- CLEAN ROOMS**
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- CLEANERS**
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- CLEANING**
Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
- System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035
- CLEAR AIR TURBULENCE**
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- CLEARANCES**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- Control means for a gas turbine engine
[NASA-CASE-LEW-15486-1] c 07 N83-31603
- CLEAVAGE**
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- Workpiece positioning vice
[NASA-CASE-GSC-12762-1] c 37 N84-28083
- CLIMBING FLIGHT**
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- CLINICAL MEDICINE**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
- Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- CLIPS**
Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- CLOCKS**
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
- Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- CLOSED CIRCUIT TELEVISION**
Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- CLOSED CYCLES**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
- Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- CLOSED ECOLOGICAL SYSTEMS**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750
- Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
- CLOSTRIDIUM BOTULINUM**
Production of botulin by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- CLOSURES**
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- CLOUD CHAMBERS**
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- CLOUD COVER**
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- CLOUDS (METEOROLOGY)**
Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- CLUTCHES**
Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037
- CLUTTER**
Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N86-24879
- CMOS**
Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- COAL**
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- COAL GASIFICATION**
Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
- Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744
- COAL LIQUEFACTION**
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
- COAL UTILIZATION**
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- COATING**
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005

- Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587
- COATINGS**
- Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- Diamondlike flake composites
[NASA-CASE-LEW-13837-2] c 24 N84-22695
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535
- COAXIAL CABLES**
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
- Coaxial tube tether/transmission line for manned nuclear space power
[NASA-CASE-LEW-14338-1] c 20 N87-10174
- Coaxial cable connector
[NASA-CASE-NPO-16964-1CU] c 33 N87-15414
- COAXIAL PLASMA ACCELERATORS**
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- COBALT**
- Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
- Metal (2,4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- COBALT ALLOYS**
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- COBALT OXIDES**
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- COCKPIT SIMULATORS**
- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- COCKPITS**
- Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- CODERS**
- Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- CODING**
- Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
- Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
- Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- COEFFICIENT OF FRICTION**
- Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- COENZYMES**
- Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- COHERENT ELECTROMAGNETIC RADIATION**
- Folded traveling wave maser structure Patent
[NASA-CASE-NPO-05219] c 16 N71-15550
- Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- COHERENT LIGHT**
- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- COHERENT RADIATION**
- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- COINCIDENCE CIRCUITS**
- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
- COLD CATHODES**
- Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- COLD GAS**
- Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- COLD WELDING**
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- COLD WORKING**
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- COLLAPSE**
- Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
- COLLECTION**
- Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- COLLIMATION**
- Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- COLLIMATORS**
- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
- Multiplate focusing collimator --- for scanning small near radiation sources
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
- COLLISION AVOIDANCE**
- Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766
- Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
- Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132
- COLLOIDAL GENERATORS**
- Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- COLLOIDAL PROPELLANTS**
- Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124
- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- COLLOIDS**
- The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- COLOR**
- Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535
- COLOR PHOTOGRAPHY**
- Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- COLOR TELEVISION**
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- COLOR VISION**
- Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- COLUMNS**
- Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
- COLUMNS (PROCESS ENGINEERING)**
- Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- COLUMNS (SUPPORTS)**
- Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
- COMBINATORIAL ANALYSIS**
- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

COMBUSTION

- Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447

COMBUSTION CHAMBERS

- Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
Combustor --- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
Heat exchanger --- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420

COMBUSTION CONTROL

- Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819

COMBUSTION EFFICIENCY

- Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958

COMBUSTION PHYSICS

- Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

COMBUSTION PRODUCTS

- Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

- Combustor --- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447

COMBUSTION STABILITY

- Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420

COMET TAILS

- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016

COMFORT

- Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445

COMMAND AND CONTROL

- Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779

COMMAND MODULES

- Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450

COMMUNICATING

- Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207

COMMUNICATION

- Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146

COMMUNICATION CABLES

- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669

COMMUNICATION EQUIPMENT

- Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654

COMMUNICATION SATELLITES

- Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323

COMMUTATION

- High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

COMMUTATORS

- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199

COMPARATOR CIRCUITS

- Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471

- Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308

COMPARATORS

- Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
Neighborhood comparison operator
[NASA-CASE-NPO-16464-1CU] c 60 N86-24224

COMPENSATORS

- Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138

COMPLEX COMPOUNDS

- Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

COMPOSITE MATERIALS

- Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XNP-01030] c 18 N70-41583
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
Bearing material --- composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309
Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318

Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
 [NASA-CASE-LAR-12099-1] c 27 N80-16158
 Cork-resin ablative insulation for complex surfaces and method for applying the same
 [NASA-CASE-MFS-23626-1] c 24 N80-26388
 Method of making bearing material
 [NASA-CASE-LEW-11930-3] c 24 N80-33482
 Tackifier for addition polyimides containing monoethylphthalate
 [NASA-CASE-LAR-12642-1] c 27 N81-29229
 Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
 [NASA-CASE-NPO-14857-1] c 27 N83-19900
 Piezoelectric composite materials
 [NASA-CASE-LEW-12582-1] c 76 N83-34796
 Pre-stressed thermal protection systems
 [NASA-CASE-MSC-20254-1] c 16 N84-22601
 Diamondlike flake composites
 [NASA-CASE-LEW-13837-1] c 24 N84-22695
 Chemical approach for controlling nadimide cure temperature and rate with maleimide
 [NASA-CASE-LEW-13770-3] c 27 N85-21350
 Chemical approach for controlling nadimide cure temperature and rate with maleimide
 [NASA-CASE-LEW-13770-4] c 27 N85-21351
 Process for improving moisture resistance of epoxy resins by addition of chromium ions
 [NASA-CASE-LAR-13226-1] c 27 N85-34282
 Toughening reinforced epoxy composites with brominated polymeric additives
 [NASA-CASE-ARC-11427-1] c 24 N86-19380
 Aminophenoxycyclotriphosphazene cured epoxy resins and the composites, laminates and structures thereof
 [NASA-CASE-ARC-11548-1] c 27 N86-21686
 Carbide/fluoride/silver self-lubricating composite
 [NASA-CASE-LEW-14196-1] c 24 N87-10179

COMPOSITE PROPELLANTS
 Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
 [NASA-CASE-LAR-10173-1] c 27 N71-14090
 Silicone containing solid propellant
 [NASA-CASE-NPO-14477-1] c 28 N80-28536
 Recovery of aluminum from composite propellants
 [NASA-CASE-NPO-14110-1] c 28 N81-15119

COMPOSITE STRUCTURES
 Inflatable honeycomb Patent
 [NASA-CASE-XLA-00204] c 32 N70-36536
 Composite powerplant and shroud therefor Patent
 [NASA-CASE-XLA-01043] c 28 N71-10780
 Bonding method in the manufacture of continuous regression rate sensor devices
 [NASA-CASE-LAR-10337-1] c 24 N75-30260
 Leading edge protection for composite blades
 [NASA-CASE-LEW-12550-1] c 24 N77-19170
 Composite sandwich lattice structure
 [NASA-CASE-LAR-11898-1] c 24 N78-10214
 Method of making a composite sandwich lattice structure
 [NASA-CASE-LAR-11898-2] c 24 N78-17149
 Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
 [NASA-CASE-ARC-11040-2] c 24 N78-27184
 Aluminum or copper substrate panel for selective absorption of solar energy
 [NASA-CASE-MFS-23518-3] c 44 N80-16452
 Lightweight structural columns --- space erectable trusses
 [NASA-CASE-LAR-12095-1] c 31 N81-25258
 Aminophenoxycyclotriphosphazene cured epoxy resins and the composites, laminates and structures thereof
 [NASA-CASE-ARC-11548-1] c 27 N86-21686
 Optimized bolted joint
 [NASA-CASE-LAR-13250-1] c 37 N86-27630
 Light weight fire resistant graphite composites
 [US-PATENT-4,598,007] c 24 N86-28131
 Composite piston
 [NASA-CASE-LAR-13435-1] c 37 N87-15464
 Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
 [NASA-CASE-LAR-13562-1] c 24 N87-18613

COMPOSITION (PROPERTY)
 Moving particle composition analyzer
 [NASA-CASE-GSC-11889-1] c 35 N76-16393

COMPRESSED AIR
 Valve actuator Patent
 [NASA-CASE-XHQ-01208] c 15 N70-35409

COMPRESSIBILITY
 Nozzle extraction process and handlemeter for measuring handle
 [NASA-CASE-LAR-12147-1] c 31 N79-11246

COMPRESSIBLE FLUIDS

Apparatus having coaxial capacitor structure for measuring fluid density Patent
 [NASA-CASE-XLE-00143] c 14 N70-36618
 Apparatus for tensile testing Patent
 [NASA-CASE-XKS-06250] c 14 N71-15600

COMPRESSING

Refrigeration apparatus Patent
 [NASA-CASE-XNP-08877] c 15 N71-23025
 Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
 [NASA-CASE-LAR-10489-1] c 31 N74-18124

COMPRESSION LOADS

Pressure transducer
 [NASA-CASE-NPO-10832] c 14 N72-21405
 Solid medium thermal engine
 [NASA-CASE-ARC-10461-1] c 44 N74-33379
 Locking redundant link
 [NASA-CASE-LAR-11900-1] c 37 N79-14382
 Fixture for environmental exposure of structural materials under compression load
 [NASA-CASE-LAR-12602-1] c 39 N83-32081
 Deployable M-braced truss structure
 [NASA-CASE-LAR-13081-1] c 37 N86-32737

COMPRESSION RATIO

Automatic compression adjusting mechanism for internal combustion engines
 [NASA-CASE-MSC-18807-1] c 37 N83-36483

COMPRESSION TESTS

Compression test assembly
 [NASA-CASE-LAR-10440-1] c 14 N73-32323
 Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
 [NASA-CASE-LAR-10426-1] c 09 N74-19528
 Compression test apparatus
 [NASA-CASE-MSC-18723-1] c 35 N83-21312

COMPRESSOR BLADES

Welding blades to rotors
 [NASA-CASE-LEW-10533-1] c 15 N73-28515
 Control means for a gas turbine engine
 [NASA-CASE-LEW-14586-1] c 07 N83-31603

COMPRESSOR ROTORS

Active clearance control system for a turbomachine
 [NASA-CASE-LEW-12938-1] c 07 N82-32366

COMPRESSORS

Thermal pump-compressor for space use Patent
 [NASA-CASE-XLA-00377] c 33 N71-17610
 Self-energized plasma compressor
 [NASA-CASE-MFS-22145-2] c 75 N76-17951
 Gas compression apparatus
 [NASA-CASE-MSC-14757-1] c 35 N78-10428
 Composite seal for turbomachinery
 [NASA-CASE-LEW-12131-2] c 37 N80-26658
 Cycling Joule Thomson refrigerator
 [NASA-CASE-NPO-15251-1] c 31 N83-31897
 Magnetically actuated compressor
 [NASA-CASE-GSC-12799-1] c 31 N85-21404
 Oxygen chemisorption cryogenic refrigerator
 [NASA-CASE-NPO-16734-1-CU] c 31 N86-27467

COMPUTATION

Apparatus for computing square roots Patent
 [NASA-CASE-XGS-04768] c 08 N71-19437
 Ruler for making navigational computations
 [NASA-CASE-XNP-01458] c 04 N78-17031

COMPUTER OPERATIONS

Counter and shift register Patent
 [NASA-CASE-XNP-01753] c 08 N71-22897
 Binary to binary coded decimal converter
 [NASA-CASE-GSC-12044-1] c 60 N78-17691
 Computer circuit card puller
 [NASA-CASE-FRC-11042-1] c 60 N82-24839
 Control means for a solid state crossbar switch
 [NASA-CASE-NPO-15066-1] c 33 N82-29538
 Neighborhood comparison operator
 [NASA-CASE-NPO-16464-1CU] c 60 N86-24224
 Convolver
 [NASA-CASE-NPO-16462-1CU] c 60 N86-24225

COMPUTER DESIGN

Two-dimensional radiant energy array computers and computing devices
 [NASA-CASE-GSC-11839-1] c 60 N77-14751
 Massively parallel processor computer
 [NASA-CASE-GSC-12223-1] c 60 N83-25378
 Distributed multiport memory architecture
 [NASA-CASE-NPO-15342-1] c 60 N83-32342
 Automatic multi-banking of memory for microprocessors
 [NASA-CASE-NPO-15295-1] c 60 N85-21992

COMPUTER GRAPHICS

System for quantizing graphic displays
 [NASA-CASE-NPO-10745] c 08 N72-22164

COMPUTER NETWORKS

High-speed data link for moderate distances and noisy environments
 [NASA-CASE-NPO-14152-1] c 32 N80-18252
 Common data buffer system --- communication with computational equipment utilized in spacecraft operations
 [NASA-CASE-KSC-11048-1] c 62 N81-24779
 Multicomputer communication system
 [NASA-CASE-NPO-15433-1] c 32 N85-21428

COMPUTER PROGRAMMING

Minimal logic block encoder Patent
 [NASA-CASE-NPO-10595] c 10 N71-25917
 Priority interrupt system --- comprised of four registers
 [NASA-CASE-NPO-13067-1] c 60 N76-18800

COMPUTER PROGRAMS

Self-testing and repairing computer Patent
 [NASA-CASE-NPO-10567] c 08 N71-24633
 Program for computer aided reliability estimation
 [NASA-CASE-NPO-13086-1] c 15 N73-12495
 Numerical computer peripheral interactive device with manual controls
 [NASA-CASE-NPO-11497] c 08 N73-25206
 Local area network with fault-checking, priorities and redundant backup
 [NASA-CASE-NPO-16949-1-CU] c 62 N87-19021

COMPUTER STORAGE DEVICES

Magnetic matrix memory system Patent
 [NASA-CASE-XMF-05835] c 08 N71-12504
 Binary sequence detector Patent
 [NASA-CASE-XNP-05415] c 08 N71-12505
 Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
 [NASA-CASE-XGS-03303] c 08 N71-18595
 Drive circuit utilizing two cores Patent
 [NASA-CASE-XNP-01318] c 10 N71-23033
 Programmable telemetry system Patent
 [NASA-CASE-GSC-10131-1] c 07 N71-24624
 Serial digital decoder Patent
 [NASA-CASE-NPO-10150] c 08 N71-24650
 Digital memory in which the driving of each word location is controlled by a switch core Patent
 [NASA-CASE-XNP-01466] c 10 N71-26434
 Redundant memory organization Patent
 [NASA-CASE-GSC-10564] c 10 N71-29135
 Semiconductor-ferroelectric memory device
 [NASA-CASE-ERC-10307] c 08 N72-21198
 Shared memory for a fault-tolerant computer
 [NASA-CASE-NPO-13139-1] c 60 N76-21914
 Distributed multiport memory architecture
 [NASA-CASE-NPO-15342-1] c 60 N83-32342
 Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
 [NASA-CASE-MFS-25319-1] c 60 N85-33701

COMPUTER SYSTEMS DESIGN

Adaptive voting computer system
 [NASA-CASE-MSC-13932-1] c 62 N74-14920
 Computer interface system
 [NASA-CASE-NPO-13428-1] c 60 N77-12721
 Local area network with fault-checking, priorities and redundant backup
 [NASA-CASE-NPO-16949-1-CU] c 62 N87-19021

COMPUTER TECHNIQUES

Automated system for identifying traces of organic chemical compounds in aqueous solutions
 [NASA-CASE-NPO-13063-1] c 25 N76-18245
 Apparatus for determining thermophysical properties of test specimens
 [NASA-CASE-LAR-11883-1] c 09 N77-27131
 Computerized system for translating a torch head
 [NASA-CASE-MFS-23620-1] c 37 N79-10421
 Automatic flowmeter calibration system
 [NASA-CASE-KSC-11076-1] c 34 N81-26402
 Method and apparatus for transfer function simulator for testing complex systems
 [NASA-CASE-NPO-15696-1] c 33 N85-34333
 Auto covariance computer
 [NASA-CASE-LAR-12968-1] c 60 N86-21154

COMPUTERIZED SIMULATION

Integrated time shared instrumentation display Patent
 [NASA-CASE-XLA-01952] c 08 N71-12507
 Microcomputerized electric field meter diagnostic and calibration system
 [NASA-CASE-KSC-11035-1] c 35 N78-28411
 Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
 [NASA-CASE-MFS-23052-2] c 74 N79-13855
 Method and apparatus for transfer function simulator for testing complex systems
 [NASA-CASE-NPO-15696-1] c 33 N85-34333

COMPUTERS

Telemetry word forming unit
 [NASA-CASE-XNP-09225] c 09 N69-24333
 Data compression processor Patent
 [NASA-CASE-NPO-10068] c 08 N71-19288

- Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
- Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154
- CONCAVITY**
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
- CONCENTRATORS**
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
- Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1CU] c 35 N86-29174
- Scalloped-geometry solar concentrator
[NASA-CASE-MSC-21061-1] c 44 N87-18921
- CONCENTRIC CYLINDERS**
Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783
- CONCENTRIC SPHERES**
Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- CONDENSATES**
Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
- Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- CONDENSERS (LIQUEFIERS)**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- CONDENSING**
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- CONDUCTING FLUIDS**
Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
- Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- CONDUCTIVE HEAT TRANSFER**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
- CONDUCTORS**
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- CONES**
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- CONFIGURATION MANAGEMENT**
Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114
- CONFINEMENT**
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- CONICAL BODIES**
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- CONICAL SCANNING**
Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- CONICAL SHELLS**
Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
- Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
- Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- CONJUGATES**
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- CONNECTORS**
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
- Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389
- Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560
- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605
- Connection system --- insuring against loss of a tool component without using multiple tethers
[NASA-CASE-MSC-20319-1] c 37 N85-21649
- CONSCIOUSNESS**
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
- CONSISTENCY**
Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- CONSOLES**
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- CONSTANTS**
Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- CONSTRAINTS**
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
- Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
- Reeling system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
- Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- CONSTRUCTION MATERIALS**
Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
- Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
- CONTACT POTENTIALS**
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408
- CONTAINERLESS MELTS**
Method of crystallization --- in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- Apparatus and furnace for containerless processing of high temperature materials in space
[NASA-CASE-MFS-28087-1] c 35 N86-23899
- Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551
- CONTAINERS**
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
- CONTAINMENT**
Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991
- CONTAMINANTS**
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
- CONTAMINATION**
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
- Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
- CONTINUOUS RADIATION**
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
- Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713
- CONTINUOUS WAVE LASERS**
High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
- Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
- CONTINUOUS WAVE RADAR**
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
- FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N86-24879
- CONTOURS**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- Contourograph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225
- Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
- Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711
- CONTROL**
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
- Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

- Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

CONTROL BOARDS

- Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090

CONTROL DATA (COMPUTERS)

- Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721

CONTROL EQUIPMENT

- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741
System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
Synchronous orbit battery cyclers
[NASA-CASE-GSC-11211-1] c 03 N72-25020
Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
Digital controller for a Baum folding machine --- providing automatic counting and machine shutoff
[NASA-CASE-LAR-10688-1] c 37 N74-21056
Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
Apparatus and method of capturing an orbiting satellite
[NASA-CASE-MSC-20979-1] c 37 N86-19614
Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352
- CONTROL ROCKETS**
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- CONTROL RODS**
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
- CONTROL SIMULATION**
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- CONTROL STABILITY**
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

CONTROL SURFACES

- Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363

CONTROL SYSTEMS DESIGN

- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403
Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681

CONTROL UNITS (COMPUTERS)

- Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

CONTROL VALVES

- Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
Slow opening valve --- valve design for shuttle portable oxygen system
[NASA-CASE-MSC-20112-1] c 37 N85-20338
Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800
Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
Monogroove cold plate --- heat-pipe exchanger for space applications
[NASA-CASE-MSC-20946-1] c 34 N86-32661
- CONTROLLED ATMOSPHERES**
Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- CONTROLLERS**
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352

- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
Fluidic momentum controller
[NASA-CASE-MSC-20906-1] c 18 N86-19344
Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114
Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288

CONVECTION

- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968

CONVECTIVE FLOW

- Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

CONVECTIVE HEAT TRANSFER

- Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095

CONVERGENCE

- Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439

CONVERGENT NOZZLES

- Nozzle extraction process and handlemeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- CONVERGENT-DIVERGENT NOZZLES**
Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

CONVERSION

- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547

CONVERTERS

- Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

CONVEYORS

- System and method for refurbishing and processing parachutes --- monorial conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722

CONVOLUTION INTEGRALS

- Convolver
[NASA-CASE-NPO-16462-1CU] c 60 N86-24225

COOLANTS

- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

COOLING

- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568

COOLING SYSTEMS

- Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467
- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
- Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
- Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
- Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237
- Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Heat exchanger --- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- Radiative cooler --- spacecraft radiators
[NASA-CASE-NPO-15465-1] c 34 N84-22903
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
- Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433
- Monogroove cold plate --- heat-pipe exchanger for space applications
[NASA-CASE-MSC-20946-1] c 34 N86-32661
- COORDINATES**
- Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- COPOLYMERIZATION**
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885
- Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982

Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560

Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N86-26435

Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304

COPOLYMERS

Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905

Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500

Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438

Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187

Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350

Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351

Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144

Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380

Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841

Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N86-26435

Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526

COPPER

Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044

Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903

Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126

Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469

Metal (2,4,4',4''-phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281

COPPER ALLOYS

Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201

Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015

COPPER COMPOUNDS

Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

COPPER FLUORIDES

Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093

COPPER OXIDES

Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587

CORDAGE

Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098

CORE STORAGE

Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198

CORES

Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128

Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392

Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

CORK (MATERIALS)

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

CORRECTION

Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

CORRELATION

Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968

CORRELATION DETECTION

Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243

Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

CORRELATORS

Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723

Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267

Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308

Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

CORROSION

Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039

CORROSION PREVENTION

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075

Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393

Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616

Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408

Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions --- by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203

Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579

Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441

Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596

Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434

Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550

CORROSION RESISTANCE

High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644

Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688

High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025

Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078

Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482

Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188

Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371

Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177

Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597

Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005

Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192

CORRUGATED PLATES

Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

CORRUGATING

Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539

Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450

COSINE SERIES

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248

Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253

COSMIC DUST

COSMIC DUST

- Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
- Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
- Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
- Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431

COST ANALYSIS

- Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460

COST EFFECTIVENESS

- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- Aerobraking orbital transfer vehicle
[NASA-CASE-MSC-20921-1] c 18 N86-20471

COUCHES

- Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
- Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
- Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085

COULOMETERS

- Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596

COUNTERBALANCES

- Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629

COUNTERS

- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604

COUNTING CIRCUITS

- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
- Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706

COUPLING

- Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
- Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319

Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660

COUPLING CIRCUITS

- Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Automatic quadrature control and measuring system --- using optical coupling circuitry
[NASA-CASE-MFS-21660-1] c 35 N74-21017
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422

COUPLINGS

- Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
- Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
- Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41679
- Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
- Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
- Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
- Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
- Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
- Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605
- Connection system --- insuring against loss of a tool component without using multiple tethers
[NASA-CASE-MSC-20319-1] c 37 N85-21649
- Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N86-31630
- Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037

COVARIANCE

- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154

COVERINGS

- Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394

COWLINGS

- Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

CRACKING (FRACTURING)

- Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387

CRACKS

- Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736

CRANES

- Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259

CRASH LANDING

- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

CREEP RUPTURE STRENGTH

- Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026

Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N86-26414

CREEP TESTS

- Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375

CRITICAL EXPERIMENTS

- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

CRITICAL TEMPERATURE

- Stable superconducting magnet --- high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264

CROSS CORRELATION

- Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

CROSS FLOW

- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194

CROSS POLARIZATION

- Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

CROSSED FIELDS

- Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
- Crossed-field MHD plasma generator/accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562

CROSSLINKING

- Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
- Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
- In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 27 N84-22747
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352

SUBJECT INDEX

- Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982
- Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N86-24840
- Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416
- Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N86-25477
- Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N86-25478
- Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N86-26435
- CRUCIBLES**
Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
- CRUCIFORM WINGS**
Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154
- CRUDE OIL**
Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- CRUSTAL FRACTURES**
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- CRYOGENIC COOLING**
Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
- Oxygen chemisorption cryogenic refrigerator
[NASA-CASE-NPO-16734-1-CU] c 31 N86-27467
- CRYOGENIC EQUIPMENT**
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
- Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
- Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
- Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453
- Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
- Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N86-26368
- CRYOGENIC FLUID STORAGE**
Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
- Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
- Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
- Cryogenic insulation system Patent
[NASA-CASE-XLE-04222] c 23 N71-22881
- Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
- Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841
- CRYOGENIC FLUIDS**
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
- Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
- Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467
- Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
- Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
- Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
- Magnetocaloric pump --- for cryogenic fluids
[NASA-CASE-LEW-11872-1] c 37 N74-27904
- Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- CRYOGENIC GYROSCOPES**
Cryogenic gyroscope housing --- with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323
- CRYOGENIC MAGNETS**
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
- CRYOGENIC ROCKET PROPELLANTS**
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
- Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- CRYOGENIC STORAGE**
Insulation system Patent
[NASA-CASE-XLE-02647] c 18 N71-23658
- Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- CRYOGENIC WIND TUNNELS**
Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
- CRYOGENICS**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
- Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- CRYOLITE**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
- CRYOSTATS**
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
- Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
- Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- CRYOTRAPPING**
Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
- CRYSTAL DEFECTS**
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
- Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- Method for growing low defect, high purity crystalline layers utilizing lateral overgrowth of a patterned mask
[NASA-CASE-NPO-15813-2] c 76 N87-15882
- CRYSTAL FILTERS**
Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- CRYSTAL GROWTH**
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
- Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
- Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- Method of crystallization --- in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919
- Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
- Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
- Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
- Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
- Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598

- Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004
- Method for growing low defect, high purity crystalline layers utilizing lateral overgrowth of a patterned mask
[NASA-CASE-NPO-15813-2] c 76 N87-15882
- Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115
- Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N87-19116
- CRYSTAL LATTICES**
- Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- CRYSTAL OPTICS**
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- CRYSTAL OSCILLATORS**
- Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N86-20668
- CRYSTAL RECTIFIERS**
- Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
- CRYSTAL STRUCTURE**
- Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- A method of estimating the molecular weight of polymeric materials
[NASA-CASE-LAR-13212-1] c 27 N87-10206
- CRYSTALLINITY**
- Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- Method for growing low defect, high purity crystalline layers utilizing lateral overgrowth of a patterned mask
[NASA-CASE-NPO-15813-2] c 76 N87-15882
- CRYSTALLIZATION**
- Method of crystallization --- in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919
- Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
- CRYSTALS**
- Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
- Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
- Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083
- CUBIC LATTICES**
- Stabilized lanthanum sulphur compounds --- thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- CUES**
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- CUFFS**
- Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- CULTURE TECHNIQUES**
- Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
- Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
- Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- Flow through bacteria detection system
[NASA-CASE-LAR-12871-1] c 35 N85-29218
- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- CURIE TEMPERATURE**
- Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- CURING**
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
- Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
- Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982
- Metal (2,4,4',4') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-2] c 27 N86-21675
- Aminophenoxycyclophosphazene cured epoxy resins and the composites, laminates and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N86-21686
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570
- Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
- CURRENT AMPLIFIERS**
- Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
- A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- CURRENT DENSITY**
- Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
- Stable superconducting magnet --- high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- CURRENT DISTRIBUTION**
- Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
- Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
- Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- Load insensitive electrical device --- power converters for supplying direct current at one voltage from a source at another voltage
[NASA-CASE-XER-11046-2] c 33 N74-22864
- CURRENT REGULATORS**
- Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
- Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
- Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
- Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
- Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
- Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- CURVATURE**
- Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
- CURVE FITTING**
- Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
- CURVED PANELS**
- Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
- Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
- Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
- Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
- CUSHIONS**
- Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
- CUTTERS**
- Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
- Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- Cutting head for ultrasonic lithotripsy
[NASA-CASE-GSC-12944-1] c 52 N86-19885
- CUTTING**
- Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079
- Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
- Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- CYANATES**
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- CYANO COMPOUNDS**
- Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259

SUBJECT INDEX

CYCLES

- Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

CYCLIC ACCELERATORS

- Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

CYCLIC COMPOUNDS

- Carboranyl cyclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376

CYCLIC HYDROCARBONS

- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- Synthesis of 2,4,8,10-tetroxaspiro[5.5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187

CYCLIC LOADS

- Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
- Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476
- Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N86-32770

CYCLOTRON RADIATION

- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226

CYCLOTRON RESONANCE

- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

CYCLOTRON RESONANCE DEVICES

- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952

CYLINDERS

- Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289

CYLINDRICAL ANTENNAS

- Variable beamwidth antenna --- with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295

CYLINDRICAL BODIES

- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

CYLINDRICAL CHAMBERS

- Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

CYLINDRICAL SHELLS

- Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797

CYSTS

- Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751

CZOCHELSKI METHOD

- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105

D

DAMAGE

- Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

DAMPERS (VALVES)

- Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490

DAMPING

- Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
- Shock suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694

- Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
- Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788

DATA ACQUISITION

- Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
- Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724

DATA COLLECTION PLATFORMS

- Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

DATA COMPRESSION

- Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
- Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
- Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328

DATA CONVERTERS

- Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778
- Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- Analog Signal to Discrete Time Interval Converter (ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
- High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
- Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
- Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

DATA CORRELATION

- Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154

DATA LINKS

- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
- Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
- Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

DATA MANAGEMENT

- Selective data segment monitoring system --- using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760

DATA PROCESSING

- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

- Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255

- Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739

- Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084

- Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283

- Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342

- Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297

- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814

- Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N85-20249

- LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- Real-time garbage collection for list processing
[NASA-CASE-MSC-20964-1] c 60 N87-14863

DATA PROCESSING EQUIPMENT

- Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
- Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
- Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
- Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
- Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- Neighborhood comparison operator
[NASA-CASE-NPO-16464-1CU] c 60 N86-24224
- Convolver
[NASA-CASE-NPO-16462-1CU] c 60 N86-24225

DATA RECORDERS

- Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
- Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- Recorder/processor apparatus --- for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831

DATA RECORDING

- System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
- Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431
- Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
- Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946

DATA REDUCTION

- Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506

- Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
- Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
- DATA RETRIEVAL**
- Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195
- DATA SAMPLING**
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
- Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- DATA SMOOTHING**
- Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
- DATA STORAGE**
- Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
- Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
- System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
- Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- DATA STRUCTURES**
- Real-time garbage collection for list processing
[NASA-CASE-MSC-20964-1] c 60 N87-14863
- DATA SYSTEMS**
- Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
- Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- DATA TRANSFER (COMPUTERS)**
- Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- DATA TRANSMISSION**
- Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
- Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
- System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221
- Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- Single frequency multitransmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863
- DAWSONITE**
- Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- DEBRIS**
- Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- DECAY RATES**
- Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269
- DECELERATION**
- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
- Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- DECIMALS**
- High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
- DECISION MAKING**
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- DECODERS**
- Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- Compact-bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- DECODING**
- Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
- Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- DECOMMUTATORS**
- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- DECONTAMINATION**
- Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
- Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- DEEP SPACE NETWORK**
- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- DEFECTS**
- Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
- DEFLECTION**
- Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- DEFLECTORS**
- Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
- Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
- Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
- Exhaust flow deflector --- for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
- Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- DEFOCUSING**
- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- DEFORMATION**
- Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
- Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
- DEGASSING**
- Degassifying and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652
- DEGREES OF FREEDOM**
- Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
- Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- DEHUMIDIFICATION**
- Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- DEHYDRATED FOOD**
- Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096
- DEICERS**
- Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 33 N86-20671
- DELAY CIRCUITS**
- Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- DELAY LINES**
- A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
- DELTA MODULATION**
- Multifunction audio digitizer --- producing direct delta and pulse code modulation
[NASA-CASE-MSC-13855-1] c 35 N74-17885
- DELTA WINGS**
- Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
- DEMAGNETIZATION**
- Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

DEMULATION

- Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
- Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
- Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546

DEMULATORS

- Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
- Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
- Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
- Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
- Unbalanced quadrature demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

DENDRITIC CRYSTALS

- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888

DENSIFICATION

- Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171

DENSITOMETERS

- Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
- Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271

DENSITY (MASS/VOLUME)

- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968

DENSITY DISTRIBUTION

- Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958

DENSITY MEASUREMENT

- Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
- Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
- Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 35 N84-28018

DENTISTRY

- Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

DEOXYGENATION

- Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138

DEPLOYMENT

- Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
- Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast

- [NASA-CASE-GSC-12331-1] c 18 N80-14183
- High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479
- Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
- Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791

DEPOSITION

- Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
- Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751
- Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
- Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
- Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
- Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550

DEPOSITS

- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652

DEPTH MEASUREMENT

- Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 35 N84-28018
- Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1CU] c 35 N86-32700

DESCENT

- Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

DESIGN ANALYSIS

- Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
- Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717

DESTRUCTIVE TESTS

- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503

DESULFURIZING

- Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253

DETECTION

- Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240
- Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
- Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
- Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282

Instrumentation for sensing moisture content of material using a transient thermal pulse

- [NAS 1.71:NPO-15494-2] c 35 N85-34373
- Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431

DETECTORS

- Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
- Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
- Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
- Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
- Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- Multiple pass reimagining optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
- Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
- Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767

DETERGENTS

- Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035

DETONATION

- Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425

DETONATION WAVES

- Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

DEUTERIUM

- Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- Deuterium pass through target --- neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860

DEW POINT

- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373

DIAGNOSIS

- Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

DIAGRAMS

- Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

DIALYSIS

- Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687

DIAMETERS

- Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289

DIAMINES

- Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
- Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
- Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
- Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980

- Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
Fire resistant polymers based on 1-((dialkoxyposphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462
Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
Amine terminated bisaspartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- DIAMONDS**
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- DIAPHRAGMS (MECHANICS)**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
Flexible diaphragm: Extreme temperature usage
[NASA-CASE-MSC-20797-1] c 37 N86-20806
Fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N86-25752
- DIATOMIC GASES**
Diatomic infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- DICHROISM**
Dichroic plate --- as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- DICKE RADIOMETERS**
Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359
- DIDYMIUM**
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
- DIELECTRIC PROPERTIES**
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- DIELECTRICS**
Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
- Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
Electrostatic measurement system --- for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477
Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
A method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N86-20128
- DIELS-ALDER REACTIONS**
Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 25 N85-30039
Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N86-25477
- DIENES**
Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N86-25477
- DIES**
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
Ultrasonic angle beam standard reflector --- ultrasonic nondestructive inspection
[NASA-CASE-LAR-13153-1] c 71 N86-21276
- DIESEL ENGINES**
Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- DIETS**
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- DIFFERENCES**
Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- DIFFERENTIAL AMPLIFIERS**
Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670
- DIFFERENTIAL INTERFEROMETRY**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- DIFFERENTIAL PRESSURE**
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- DIFFERENTIATORS**
Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
- DIFRACTION**
Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- DIFRACTION PATTERNS**
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- DIFRACTOMETERS**
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- DIFFUSE RADIATION**
Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- DIFFUSERS**
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749
- DIFFUSION**
A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
Transmitting and reflecting diffuser --- for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436
- DIFFUSION PUMPS**
Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- DIFFUSION WELDING**
Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- DIFFUSIVITY**
Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044
- DIGITAL COMMAND SYSTEMS**
Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
- DIGITAL COMPUTERS**
Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

DIGITAL DATA

- Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
- Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491

DIGITAL FILTERS

- Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
- Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
- Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
- Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761

DIGITAL INTEGRATORS

- Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373

DIGITAL RADAR SYSTEMS

- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

DIGITAL SPACECRAFT TELEVISION

- Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807

DIGITAL SYSTEMS

- Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
- Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
- Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
- Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
- Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
- Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
- Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
- Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
- Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
- Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- Digital controller for a Baum folding machine --- providing automatic counting and machine shutoff
[NASA-CASE-LAR-10688-1] c 37 N74-21056
- Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
- Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
- Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289

Open loop digital frequency multiplier

- [NASA-CASE-MSC-12709-1] c 33 N77-24375
- Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264

DIGITAL TECHNIQUES

- Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
- Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
- Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
- Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
- Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681

DIGITAL TO ANALOG CONVERTERS

- Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- Buffered analog converter
[NASA-CASE-KSC-10397] c 08 N72-25206
- Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- Method and apparatus for operating on compressed PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N86-27513

DIGITAL TRANSDUCERS

- Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081
- Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395

DISOCYANATES

- Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
- Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103

DIMENSIONAL MEASUREMENT

- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

DIMENSIONS

- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

DIODES

- Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796

Protection of serially connected solar cells against open circuits by the use of shunting diode Patent

- [NASA-CASE-XLE-04535] c 03 N71-23354
- Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
- High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305

DIPHENYL COMPOUNDS

- Amine terminated bispartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
- Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- Amine terminated bispartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726

DIPOLE ANTENNAS

- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336

DIRECT CURRENT

- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
- Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851

DIRECT LIFT CONTROLS

Load insensitive electrical device --- power converters for supplying direct current at one voltage from a source at another voltage
[NASA-CASE-XER-11046-2] c 33 N74-22864
Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673
Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681

DIRECT LIFT CONTROLS

Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

DIRECT POWER GENERATORS

Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
Load insensitive electrical device --- power converters for supplying direct current at one voltage from a source at another voltage
[NASA-CASE-XER-11046-2] c 33 N74-22864

DIRECTION FINDING

Improved flux-gate magnetometer
[NASA-CASE-LAR-13560-1] c 35 N86-32701

DIRECTIONAL ANTENNAS

Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
Variable beamwidth antenna --- with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295
Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

DIRECTIONAL CONTROL

Gimbaled, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132

DIRECTIONAL SOLIDIFICATION (CRYSTALS)

Preparation of monotelectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750

DIRECTIONAL STABILITY

Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275

DIRECTIVITY

Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

DISCONNECT DEVICES

Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789

Split nut separation system Patent

[NASA-CASE-XNP-06914] c 15 N71-21489
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455
Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488
Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334
Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469
Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801

DISCONTINUITY

Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360

DISCRIMINATORS

Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

DISPENSERS

Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178
Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466

DISPERSING

Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561

DISPERSIONS

Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573

DISPLACEMENT

Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126

DISPLACEMENT MEASUREMENT

Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072

DISPLAY DEVICES

Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507

Energy management system for glider type vehicle Patent

[NASA-CASE-XFR-00756] c 02 N71-13421
Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143
Recorder/processor apparatus --- for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831
Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882
Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293
Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
Flat-panel, full-color electroluminescent display
[NASA-CASE-LAR-13407-1] c 33 N86-24909
Laser ranging and video display system
[NASA-CASE-MSC-20870-1] c 36 N86-24977
Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N86-25292
Aircraft liftemeter
[NASA-CASE-LAR-12518-1] c 06 N86-27280
Simulator scene display evaluation device
[NASA-CASE-ARC-11504-1] c 09 N86-32447
Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413

SUBJECT INDEX

DISSIPATION

- Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398

DISSOCIATION

- Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607

DISSOLVING

- Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458

DISTANCE MEASURING EQUIPMENT

- Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523

DISTILLATION EQUIPMENT

- Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

DISTRIBUTED AMPLIFIERS

- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415

DISTRIBUTED PROCESSING

- Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342

DISTRIBUTION (PROPERTY)

- Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175

DISTRIBUTORS

- High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332

DIVERGENT NOZZLES

- Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490

DIVERTERS

- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468

DIVIDERS

- A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836

DOCUMENT STORAGE

- File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908

DOMES (STRUCTURAL FORMS)

- Airborne tracking Sun photometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N86-21982

DOORS

- Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

DOPES

- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875

DOPPLER EFFECT

- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216
Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N87-14669
- DOPPLER RADAR**
Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766

- Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820

DOSIMETERS

- Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

DRAG CHUTES

- Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034
Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147

DRAG MEASUREMENT

- Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057

DRAG REDUCTION

- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N86-26575

DRIFT (INSTRUMENTATION)

- Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

DRILL BITS

- Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034
Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186

DRILLING

- Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N86-23750

DRILLS

- Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321

DRIVES

- Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126

DROP TOWERS

- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

DROPS (LIQUIDS)

- Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478

DRUGS

- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086

DRYING

- Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484

DRYING APPARATUS

- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080

DUCTED FANS

- Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

DUCTILITY

- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

DUCTS

- Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
Multi-path peristaltic pump
[NASA-CASE-MSC-20907-1] c 37 N87-18818

DURABILITY

- Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717

DUST COLLECTORS

- Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

DYE LASERS

- Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655

DYES

- Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

DYNAMIC CHARACTERISTICS

- Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
Universal clamp
[NASA-CASE-MSC-20549-1] c 37 N86-19612

DYNAMIC CONTROL

- Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516

DYNAMIC LOADS

- Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411

DYNAMIC MODULUS OF ELASTICITY

- Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993

DYNAMIC RESPONSE

- Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

DYNAMIC STRUCTURAL ANALYSIS

- Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440

DYNAMIC TESTS

- Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604

DYNAMOMETERS

- Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

E

EAR

Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent

[NASA-CASE-XAC-05422] c 04 N71-23185

EARTH ATMOSPHERE

Ablation sensor Patent

[NASA-CASE-XLA-01791] c 14 N71-22991

EARTH CRUST

Seismic vibration source

[NASA-CASE-NPO-14112-1] c 46 N79-22679

EARTH IONOSPHERE

Ionospheric battery Patent

[NASA-CASE-XGS-01593] c 03 N70-35408

EARTH ORBITS

High temperature furnace for melting materials in space

[NASA-CASE-MFS-20710] c 11 N72-23215

A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth

[NASA-CASE-MSC-12391] c 30 N73-12884

ECCENTRICS

Hot gas engine with dual crankshafts

[NASA-CASE-NPO-14221-1] c 37 N81-25370

ECHELETTE GRATINGS

Cooled echelle grating spectrometer --- for space telescope applications

[NASA-CASE-NPO-14372-1] c 35 N80-26635

ECHO SOUNDING

Ultrasonic depth gauge for liquids under high pressure

[NASA-CASE-LAR-13300-1CU] c 35 N86-32700

ECHOES

Miniature implantable ultrasonic echosonometer

[NASA-CASE-ARC-11035-1] c 52 N79-18580

Echo tracker/range finder for radars and sonars

[NASA-CASE-NPO-14361-1] c 32 N82-23376

EDDY CURRENTS

Apparatus and method for inspecting a bearing ball

[NASA-CASE-MFS-25833-1] c 35 N86-32698

EDGES

Method of forming a sharp edge on an optical device

[NASA-CASE-GSC-12348-1] c 74 N80-24149

EFFICIENCY

Recovery of radiation damaged solar cells through thermal annealing

[NASA-CASE-XGS-04047-2] c 03 N72-11062

High efficiency multifrequency feed

[NASA-CASE-GSC-11909] c 32 N74-20863

EFFLUENTS

Vortex generator for controlling the dispersion of effluents in a flowing liquid

[NASA-CASE-LAR-12045-1] c 34 N77-24423

Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points

[NASA-CASE-MSC-16841-1] c 34 N79-24285

EGRESS

Explosively activated egress area

[NASA-CASE-LAR-12624-1] c 01 N83-35992

EJECTION

Apparatus for ejection of an instrument cover

[NASA-CASE-XMF-04132] c 15 N69-27502

EJECTION SEATS

Device for separating occupant from an ejection seat

Patent

[NASA-CASE-XMS-04625] c 05 N71-20718

EJECTORS

Ejection unit Patent

[NASA-CASE-XNP-00676] c 15 N70-38996

Device for separating occupant from an ejection seat

Patent

[NASA-CASE-XMS-04625] c 05 N71-20718

Latch/ejector unit Patent

[NASA-CASE-XLA-03538] c 15 N71-24897

Space probe/satellite ejection apparatus for spacecraft

[NASA-CASE-MFS-15429-1] c 18 N84-22609

Diffuser/ejector system for a very high vacuum environment

[NASA-CASE-MFS-25791-1] c 09 N84-27749

Space probe/satellite ejection apparatus for spacecraft

[NASA-CASE-MFS-25429-1] c 18 N86-20469

ELASTIC BODIES

Belleville spring assembly with elastic guides

[NASA-CASE-XNP-09452] c 15 N69-27504

Means for suppressing or attenuating bending motion of elastic bodies Patent

[NASA-CASE-XAC-05632] c 32 N71-23971

Device for measuring tensile forces

[NASA-CASE-MFS-21728-1] c 35 N74-27865

ELASTIC DEFORMATION

Instrument for measuring torsional creep and recovery

Patent

[NASA-CASE-XLE-01481] c 14 N71-10781

Means for suppressing or attenuating bending motion of elastic bodies Patent

[NASA-CASE-XAC-05632] c 32 N71-23971

ELASTIC MEDIA

Miniature vibration isolator Patent

[NASA-CASE-XLA-01019] c 15 N70-40156

ELASTIC PROPERTIES

Elastic universal joint Patent

[NASA-CASE-XNP-00416] c 15 N70-36947

Deformable vehicle wheel Patent

[NASA-CASE-MFS-20400] c 31 N71-18611

Threadless fastener apparatus Patent

[NASA-CASE-XFR-05302] c 15 N71-23254

Highly fluorinated polyurethanes

[NASA-CASE-NPO-10767-1] c 06 N73-33076

Meter for use in detecting tension in straps having predetermined elastic characteristics

[NASA-CASE-MFS-22189-1] c 35 N75-19615

ELASTIC SHEETS

Method for forming plastic materials Patent

[NASA-CASE-XMS-05516] c 15 N71-17803

ELASTOMERS

Metal valve pintle with encapsulated elastomeric body

Patent

[NASA-CASE-MSC-12116-1] c 15 N71-17648

Extensometer Patent

[NASA-CASE-XMF-04680] c 15 N71-19489

Elastomeric silazane polymers and process for preparing the same Patent

[NASA-CASE-XMF-04133] c 06 N71-20717

Bonded elastomeric seal for electrochemical cells

Patent

[NASA-CASE-XGS-02631] c 03 N71-23006

Conductive elastomeric extensometer

[NASA-CASE-MFS-21049-1] c 52 N74-27864

Vacuum pressure molding technique

[NASA-CASE-LAR-10073-1] c 37 N76-24575

Method of making hollow elastomeric bodies

[NASA-CASE-NPO-13535-1] c 37 N76-31524

Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments

[NASA-CASE-MSC-14331-3] c 27 N78-32262

Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same

[NASA-CASE-NPO-13137-1] c 27 N80-32514

Prepolymer dianhydrides

[NASA-CASE-NPO-13899-1] c 27 N80-32515

Viscoelastic cationic polymers containing the urethane linkage

[NASA-CASE-NPO-10830-1] c 27 N81-15104

Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced

[NASA-CASE-ARC-11248-1] c 27 N81-17259

The 1,2,4-oxadiazole elastomers --- heat resistant polymers

[NASA-CASE-ARC-11253-1] c 27 N81-17262

Bifunctional monomers having terminal oxime and cyano or amidine groups

[NASA-CASE-ARC-11253-3] c 27 N81-24256

Circumferential shaft seal

[NASA-CASE-LEW-12119-2] c 37 N81-26447

Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration

[NASA-CASE-MSC-18382-1] c 27 N82-16238

Preparation of crosslinked 1,2,4-oxadiazole polymer

[NASA-CASE-ARC-11253-2] c 27 N82-24338

Method of bonding plasticized elastomer to metal and articles produced thereby

[NASA-CASE-MFS-25181-1] c 27 N82-24340

Elastomer toughened polyimide adhesives

[NASA-CASE-LAR-12775-1] c 27 N83-28240

Elastomer-modified phosphorus-containing imide resins

[NASA-CASE-ARC-11400-1] c 27 N84-14322

Process for preparing perfluorotriazine elastomers and precursors thereof

[NASA-CASE-ARC-11402-1] c 27 N84-22744

Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft

[NASA-CASE-LAR-12775-2] c 27 N85-21349

Electro-expulsive separation system

[NASA-CASE-ARC-11613-1] c 33 N85-29150

Polyimides containing ATBN elastomers and the process for preparing same

[NASA-CASE-LAR-13178-1] c 27 N86-20565

Perfluoro (Imidoylamidine) diamidines

[NASA-CASE-ARC-11402-3] c 23 N86-21582

Coaxial cable connector

[NASA-CASE-NPO-16964-1CU] c 33 N87-15414

ELBOW (ANATOMY)

Elbow and knee joint for hard space suits

[NASA-CASE-ARC-11610-1] c 54 N86-28619

ELECTRIC ARCS

Electric-arc heater Patent

[NASA-CASE-XLA-00330] c 33 N70-34540

Electric arc welding Patent

[NASA-CASE-XMF-00392] c 15 N70-34814

Electric arc driven wind tunnel Patent

[NASA-CASE-XMF-00411] c 11 N70-36913

Electric arc device for heating gases Patent

[NASA-CASE-XAC-00319] c 25 N70-41628

Electric arc apparatus Patent

[NASA-CASE-XAC-01677] c 09 N71-20816

Arc electrode of graphite with ball tip Patent

[NASA-CASE-XLE-04788] c 09 N71-22987

High powered arc electrodes --- producing solar simulator radiation

[NASA-CASE-LEW-11162-1] c 33 N74-12913

Electric arc light source having undercut recessed anode

[NASA-CASE-ARC-10266-1] c 33 N75-29318

Welding torch with arc light reflector

[NASA-CASE-MFS-29134-1] c 74 N87-17493

ELECTRIC AUTOMOBILES

Additive for zinc electrodes --- electric automobiles

[NASA-CASE-LEW-13286-1] c 33 N84-14422

ELECTRIC BATTERIES

Spacecraft battery seals

[NASA-CASE-XGS-03864] c 15 N69-24320

Sealed battery gas manifold construction Patent

[NASA-CASE-XNP-03378] c 03 N71-11051

Method and apparatus for battery charge control

Patent

[NASA-CASE-XGS-05432] c 03 N71-19438

Coulometer and third electrode battery charging circuit

Patent

[NASA-CASE-GSC-10487-1] c 03 N71-24719

Heat activated cell Patent

[NASA-CASE-LEW-11359] c 03 N71-28579

Synchronous orbit battery cyclor

[NASA-CASE-GSC-11211-1] c 03 N72-25020

Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions

[NASA-CASE-NPO-11806-1] c 44 N74-19693

Battery testing device --- for testing cells of multiple-cell battery

[NASA-CASE-MFS-20761-1] c 44 N74-27519

Rapid activation and checkout device for batteries

[NASA-CASE-MFS-22749-1] c 44 N76-14601

Zinc-halide battery with molten electrolyte

[NASA-CASE-NPO-11961-1] c 44 N76-18643

Lead-oxygen dc power supply system having a closed loop oxygen and water system

[NASA-CASE-MFS-23059-1] c 44 N76-27664

Voltage regulator for battery power source --- using a bipolar transistor

[NASA-CASE-FRC-10116-1] c 33 N79-23345

In-situ cross linking of polyvinyl alcohol --- application to battery separator films

[NASA-CASE-LEW-11335-2] c 27 N81-24257

State-of-charge coulometer

[NASA-CASE-NPO-15759-1] c 35 N85-21596

ELECTRIC BRIDGES

Pulsed excitation voltage circuit for transducers

[NASA-CASE-FRC-10036] c 09 N72-22200

Infinite range electronics gain control circuit

[NASA-CASE-GSC-10786-1] c 10 N72-28241

Diode-quad bridge circuit means

[NASA-CASE-ARC-10364-2] c 33 N75-25041

Germanium coated microbridge and method

[NASA-CASE-MFS-23274-1] c 33 N78-13320

Power converter

[NASA-CASE-FRC-11014-1] c 33 N82-18494

ELECTRIC CELLS

Connector strips-positive, negative and T tabs

[NASA-CASE-XGS-01395] c 03 N69-21539

Heat activated cell with alkali anode and alkali salt electrolyte Patent

[NASA-CASE-LEW-11358] c 03 N71-26084

Ion-exchange membrane with platinum electrode assembly Patent

[NASA-CASE-XMS-02063] c 03 N71-29044

ELECTRIC CHARGE

Method and device for determining battery state of charge Patent

[NASA-CASE-NPO-10194] c 03 N71-20407

Automatic battery charger Patent

[NASA-CASE-XNP-04758] c 03 N71-24605

FET charge sensor and voltage probe

[NASA-CASE-NPO-16045-1] c 76 N87-13313

SUBJECT INDEX

ELECTRIC FIELDS

Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295

ELECTRIC COILS
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769

ELECTRIC CONDUCTORS
Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
Shielded conductor cable system
[NASA-CASE-MSD-12745-1] c 33 N81-27397

ELECTRIC CONNECTORS
Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455
Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200
Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
Connector --- for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567
Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
Electrical self-aligning connector --- orbital servicer vehicles
[NASA-CASE-MFS-25211-2] c 33 N84-14423
Coaxial cable connector
[NASA-CASE-NPO-16964-1CU] c 33 N87-15414

ELECTRIC CONTACTS
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500

Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
Electrostatic measurement system --- for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
Cross-contact chain
[NASA-CASE-NPO-16784-1] c 33 N87-10231

ELECTRIC CONTROL
Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300

ELECTRIC CURRENT
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
Electrical load protection device Patent
[NASA-CASE-MSD-12135-1] c 09 N71-12526
Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
Polarity sensitive circuit Patent
[NASA-CASE-NPO-00952] c 10 N71-23271
Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212

Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352

ELECTRIC DISCHARGES
Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
High voltage pulse generator Patent
[NASA-CASE-MSD-12178-1] c 09 N71-13518
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

ELECTRIC ENERGY STORAGE
Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

ELECTRIC EQUIPMENT
Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
Solar energy powered heliostole
[NASA-CASE-GSC-10945-1] c 21 N72-31637
Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140

ELECTRIC EQUIPMENT TESTS
Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842

ELECTRIC FIELD STRENGTH
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843

ELECTRIC FIELDS
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411

- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- Method of measuring field funneling and range straggling in semiconductor charge-collecting junctions
[NASA-CASE-NPO-16584-1-CU] c 76 N86-25269

ELECTRIC FILTERS

- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
- Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171

ELECTRIC FURNACES

- High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750

ELECTRIC FUSES

- Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526
- Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
- Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393

ELECTRIC GENERATORS

- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
- Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
- Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524

- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
- Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744

ELECTRIC IGNITION

- Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779

ELECTRIC MOTOR VEHICLES

- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776

ELECTRIC MOTORS

- Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
- Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
- Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Detent servo motor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
- Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
- Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- ELECTRIC NETWORKS**
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583

- Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

ELECTRIC POTENTIAL

- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Voltage dropout sensor Patent
[NASA-CASE-XLA-10020] c 10 N71-27338
- Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
- Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055
- FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N87-13313

ELECTRIC POWER

- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280

ELECTRIC POWER PLANTS

- Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018

ELECTRIC POWER SUPPLIES

- Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
- Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
- Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- Arc lamp power supply
[NASA-CASE-LAR-13202-1] c 33 N86-32626

ELECTRIC POWER TRANSMISSION

- Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
- Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870

SUBJECT INDEX

Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

ELECTRIC PROPULSION
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844

ELECTRIC PULSES
Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189

ELECTRIC RELAYS
Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625

ELECTRIC ROCKET ENGINES
Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

ELECTRIC SPARKS
Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954

ELECTRIC STIMULI
Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

ELECTRIC SWITCHES
Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356

ELECTRIC TERMINALS
Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977

ELECTRIC WELDING
Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515

ELECTRIC WIRE
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261
Means for accommodating large overstrain in lead wires --- by storing extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865
Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
High current electrical lead --- for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683
Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

ELECTRICAL ENGINEERING
Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021

ELECTRICAL FAULTS
Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

ELECTRICAL IMPEDANCE
High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
Signal conditioning circuit apparatus --- with constant input impedance
[NASA-CASE-ARC-10348-1] c 33 N75-19518
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335

ELECTRICAL INSULATION
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

ELECTRICAL RESISTANCE

Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
Coaxial cable connector
[NASA-CASE-NPO-16964-1CU] c 33 N87-15414

ELECTRICAL MEASUREMENT
Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037
Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659

ELECTRICAL PROPERTIES
Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

ELECTRICAL RESISTANCE
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375

ELECTRICAL RESISTIVITY

- GaAs solar detector using manganese as a doping agent Patent
 [NASA-CASE-XNP-01328] c 26 N71-18064
 Thermopile vacuum gage tube simulator Patent
 [NASA-CASE-XLA-02758] c 14 N71-18481
 Electrically conductive fluorocarbon polymer
 [NASA-CASE-XLE-06774-2] c 06 N72-25150
 Electrical conductivity cell and method for fabricating the same
 [NASA-CASE-ARC-10810-1] c 33 N76-19339
 Durable antistatic coating for polymethylmethacrylate
 [NASA-CASE-NPO-13867-1] c 27 N78-14164
 Remote lightning monitor system
 [NASA-CASE-KSC-11031-1] c 33 N79-11315
 Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
 [NASA-CASE-MSC-12662-1] c 33 N79-12331
 Electrically conductive thermal control coatings
 [NASA-CASE-GSC-12207-1] c 24 N79-14156
 Electrically conductive palladium containing polyimide films
 [NASA-CASE-LAR-12705-1] c 25 N82-26396
 Method of making a high voltage V-groove solar cell
 [NASA-CASE-LEW-13401-1] c 44 N82-29709
 Method and device for detection of a substance --- determining carbon fiber release in fire situations
 [NASA-CASE-NPO-14940-1] c 33 N83-31954
 Piezoelectric composite materials
 [NASA-CASE-LEW-12582-1] c 76 N83-34796
 Instrumentation for sensing moisture content of material using a transient thermal pulse
 [NAS 1.71-NPO-15494-2] c 35 N85-34373

ELECTRICITY

- Thermionic converter with current augmented by self induced magnetic field Patent
 [NASA-CASE-XLE-01903] c 22 N71-23599
 Heat exchanger for electrothermal devices
 [NASA-CASE-LEW-14037-1] c 20 N87-16875

ELECTRO-OPTICS

- Electro-optical scanning apparatus Patent Application
 [NASA-CASE-NPO-11106] c 14 N70-34697
 Electro-optical alignment control system Patent
 [NASA-CASE-XMF-00908] c 14 N70-40238
 Polarimeter for transient measurement Patent
 [NASA-CASE-XNP-08883] c 23 N71-16101
 Light direction sensor
 [NASA-CASE-NPO-11201] c 14 N72-27409
 Ultrastable calibrated light source
 [NASA-CASE-MSC-12293-1] c 14 N72-27411
 Optical conversion method --- for spacecraft television
 [NASA-CASE-MSC-12618-1] c 74 N78-17865
 Noncontacting method for measuring angular deflection
 [NASA-CASE-LAR-12178-1] c 74 N80-21138
 Miniature electrooptical air flow sensor
 [NASA-CASE-LAR-13065-1] c 35 N85-20295
 Photorefractor ocular screening system
 [NASA-CASE-MFS-26011-1SB] c 52 N85-20639
 Adjustable mount for electro-optic transducers in an evacuated cryogenic system
 [NASA-CASE-LAR-13100-1] c 37 N86-24993

ELECTROACOUSTIC TRANSDUCERS

- Respiration monitor
 [NASA-CASE-FRC-10012] c 14 N72-17329
 Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
 [NASA-CASE-NPO-13263-1] c 12 N75-24774
 CDS solid state phase insensitive ultrasonic transducer --- annealing dadmium sulfide crystals
 [NASA-CASE-LAR-12304-1] c 35 N80-20559

ELECTROACOUSTIC WAVES

- Phonocardiogram simulator Patent
 [NASA-CASE-XKS-10804] c 05 N71-24606

ELECTROCARDIOGRAPHY

- Phonocardiogram simulator Patent
 [NASA-CASE-XKS-10804] c 05 N71-24606
 Ratemeter
 [NASA-CASE-MFS-20418] c 14 N73-24473
 Insulated electrocardiographic electrodes --- without paste electrolyte
 [NASA-CASE-MSC-14339-1] c 05 N75-24716
 Pocket ECG electrode
 [NASA-CASE-ARC-11258-1] c 52 N80-33081
 Subcutaneous electrode structure
 [NASA-CASE-ARC-11117-1] c 52 N81-14612

ELECTROCATALYSTS

- Electrocatalyst for oxygen reduction
 [NASA-CASE-HQN-10537-1] c 06 N72-10138
 Catalyst surfaces for the chromous/chromic redox couple
 [NASA-CASE-LEW-13148-1] c 33 N80-20487
 Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
 [NASA-CASE-LEW-13246-1] c 44 N83-27344

ELECTROCHEMICAL CELLS

- Apparatus for measuring swelling characteristics of membranes
 [NASA-CASE-XGS-03865] c 14 N69-21363
 Prevention of pressure build-up in electrochemical cells Patent
 [NASA-CASE-XGS-01419] c 03 N70-41864
 Non-magnetic battery case Patent
 [NASA-CASE-XGS-00886] c 03 N71-11053
 Sealing device for an electrochemical cell Patent
 [NASA-CASE-XGS-02630] c 03 N71-22974
 Sealed electrochemical cell provided with a flexible casing Patent
 [NASA-CASE-XGS-01513] c 03 N71-23336
 Electric battery and method for operating same Patent
 [NASA-CASE-XGS-01674] c 03 N71-29129
 Frangible electrochemical cell
 [NASA-CASE-XGS-10010] c 03 N72-15986
 Porus electrode comprising a bonded stack of pieces of corrugated metal foil
 [NASA-CASE-GSC-11368-1] c 09 N73-32108
 Battery testing device --- for testing cells of multiple-cell battery
 [NASA-CASE-MFS-20761-1] c 44 N74-27519
 Electrical conductivity cell and method for fabricating the same
 [NASA-CASE-ARC-10810-1] c 33 N76-19339
 Multi-cell battery protection system
 [NASA-CASE-LEW-12039-1] c 44 N78-14625
 Method and device for the detection of phenol and related compounds --- in an electrochemical cell
 [NASA-CASE-LEW-12513-1] c 25 N79-22235
 Electrochemical cell for rebalancing REDOX flow system
 [NASA-CASE-LEW-13150-1] c 44 N79-26474
 Catalyst surfaces for the chromous/chromic redox couple
 [NASA-CASE-LEW-13148-1] c 33 N80-20487
 Alkaline electrochemical cells and method of making
 [NASA-CASE-GSC-10349-1] c 44 N82-24645
 Method for determining the point of zero zeta potential of semiconductor
 [NASA-CASE-LAR-12893-1] c 76 N85-30923
 Method and apparatus for rebalancing a REDOX flow cell system
 [NASA-CASE-LEW-14127-1] c 33 N86-20680

ELECTROCHEMICAL MACHINING

- Apparatus for electrolytically tapered or contoured cavities
 [NASA-CASE-XNP-08835-1] c 37 N80-14395

ELECTROCHEMICAL OXIDATION

- Method and device for the detection of phenol and related compounds --- in an electrochemical cell
 [NASA-CASE-LEW-12513-1] c 25 N79-22235
 Epitaxial thinning process
 [NASA-CASE-NPO-15786-1] c 76 N84-35112

ELECTROCHEMISTRY

- Electrode for biological recording
 [NASA-CASE-XMS-02872] c 05 N69-21925
 Electrochemical detection device --- for use in microbiology
 [NASA-CASE-LAR-11922-1] c 25 N79-24073

ELECTRODE FILM BARRIERS

- Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
 [NASA-CASE-LEW-12358-1] c 44 N79-17313

ELECTRODEPOSITION

- Method of electrolytically binding a layer of semiconductors together Patent
 [NASA-CASE-XNP-01959] c 26 N71-23043
 Method of producing crystalline materials
 [NASA-CASE-NPO-10440] c 15 N72-21466
 Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
 [NASA-CASE-MFS-21395-1] c 25 N74-26948
 Multitarget sequential sputtering apparatus
 [NASA-CASE-NPO-13345-1] c 37 N75-19684
 Method and device for the detection of phenol and related compounds --- in an electrochemical cell
 [NASA-CASE-LEW-12513-1] c 25 N79-22235

ELECTRODES

- Electrode and insulator with shielded dielectric junction
 [NASA-CASE-XLE-03778] c 09 N69-21542
 Electrode for biological recording
 [NASA-CASE-XMS-02872] c 05 N69-21925
 Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
 [NASA-CASE-XGS-04554] c 15 N69-39786
 Ionization vacuum gauge Patent
 [NASA-CASE-XNP-00646] c 14 N70-35666
 Double optic system for ion engine Patent
 [NASA-CASE-XNP-02839] c 28 N70-41922
 Didymium hydrate additive to nickel hydroxide electrodes Patent
 [NASA-CASE-XGS-03505] c 03 N71-10608

- Focussing system for an ion source having apertured electrodes Patent
 [NASA-CASE-XNP-03332] c 09 N71-10618
 Biomedical electrode arrangement Patent
 [NASA-CASE-XFR-10856] c 05 N71-11189
 Electrode construction Patent
 [NASA-CASE-ARC-10043-1] c 05 N71-11193
 Pressed disc type sensing electrodes with ion-screening means Patent
 [NASA-CASE-XMS-04212-1] c 05 N71-12346
 Method of making electrical contact on silicon solar cell and resultant product Patent
 [NASA-CASE-XLE-04787] c 03 N71-20492
 Arc electrode of graphite with ball tip Patent
 [NASA-CASE-XLE-04788] c 09 N71-22987
 Sealing member and combination thereof and method of producing said sealing member Patent
 [NASA-CASE-XMS-01625] c 15 N71-23022
 Automatic recording McLeod gauge Patent
 [NASA-CASE-XLE-03280] c 14 N71-23093
 Flexible conductive disc electrode Patent
 [NASA-CASE-FRC-10029] c 09 N71-24618
 Plated electrodes Patent
 [NASA-CASE-XMS-04213-1] c 09 N71-26002
 Method and apparatus for attaching physiological monitoring electrodes Patent
 [NASA-CASE-XFR-07658-1] c 05 N71-26293
 Field ionization electrodes Patent
 [NASA-CASE-ERC-10013] c 09 N71-26678
 Method of making a perspiration resistant biopotential electrode
 [NASA-CASE-MSC-90153-2] c 05 N72-25120
 Method of making dry electrodes
 [NASA-CASE-FRC-10029-2] c 05 N72-25121
 Compressible biomedical electrode
 [NASA-CASE-MSC-13648] c 05 N72-27103
 Method and apparatus for limiting field emission current
 [NASA-CASE-ERC-10015-2] c 10 N72-27246
 Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
 [NASA-CASE-MFS-20589] c 25 N72-32688
 Ion thruster with a combination keeper electrode and electron baffle
 [NASA-CASE-NPO-11880] c 28 N73-24783
 Wide temperature range electronic device with lead attachment
 [NASA-CASE-ERC-10224-2] c 09 N73-27150
 Porus electrode comprising a bonded stack of pieces of corrugated metal foil
 [NASA-CASE-GSC-11368-1] c 09 N73-32108
 High powered arc electrodes --- producing solar simulator radiation
 [NASA-CASE-LEW-11162-1] c 33 N74-12913
 Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
 [NASA-CASE-GSC-11367-1] c 44 N74-19692
 Insulated electrocardiographic electrodes --- without paste electrolyte
 [NASA-CASE-MSC-14339-1] c 05 N75-24716
 Readout electrode assembly for measuring biological impedance
 [NASA-CASE-ARC-10816-1] c 35 N76-24525
 Gels as battery separators for soluble electrode cells
 [NASA-CASE-LEW-12364-1] c 44 N77-22606
 Snap-in compressible biomedical electrode
 [NASA-CASE-MSC-14623-1] c 52 N77-28717
 Apparatus for electrolytically tapered or contoured cavities
 [NASA-CASE-XNP-08835-1] c 37 N80-14395
 Toroidal cell and battery --- storage battery for high amp-hour load applications
 [NASA-CASE-LEW-12918-1] c 44 N81-24521
 Catalyst surfaces for the chromous/chromic redox couple
 [NASA-CASE-LEW-13148-2] c 44 N81-29524
 Method of making formulated plastic separators for soluble electrode cells
 [NASA-CASE-LEW-12358-2] c 25 N82-21268
 Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
 [NASA-CASE-LEW-13282-1] c 33 N82-24415
 Alkaline electrochemical cells and method of making
 [NASA-CASE-GSC-10349-1] c 44 N82-24645
 Thermionic energy converters
 [NASA-CASE-LEW-12443-1] c 44 N83-32175
 Photoelectrochemical electrodes
 [NASA-CASE-NPO-15458-1] c 25 N84-12262
 Electrodes for solid state devices
 [NASA-CASE-NPO-15161-1] c 33 N84-16456
 Method of making a light weight battery plaque
 [NASA-CASE-LEW-13349-1] c 26 N84-22734
 Chromium electrodes for REDOX cells
 [NASA-CASE-LEW-13653-1] c 44 N84-28205
 Ion sputter textured graphite electrode plates
 [NASA-CASE-LEW-12919-2] c 70 N84-28565

- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721
- Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 35 N86-25753
- Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431
- ELECTRODIALYSIS**
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- ELECTROFORMING**
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
- ELECTROHYDRAULIC FORMING**
Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
- ELECTROHYDRODYNAMICS**
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
- ELECTROKINETICS**
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
- ELECTROLUMINESCENCE**
Flat-panel, full-color electroluminescent display
[NASA-CASE-LAR-13407-1] c 33 N86-24909
- ELECTROLYSIS**
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
- Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
- ELECTROLYTES**
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
- Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
- Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- ELECTROLYTIC CELLS**
Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
- Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
- Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
- Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
- Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521
- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
- ELECTROMAGNETIC ABSORPTION**
Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
- ELECTROMAGNETIC FIELDS**
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
- Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
- Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240
- Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
- Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018
- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- ELECTROMAGNETIC HAMMERS**
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
- Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- ELECTROMAGNETIC INTERFERENCE**
Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N86-20777
- ELECTROMAGNETIC MEASUREMENT**
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- ELECTROMAGNETIC NOISE**
Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
- Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
- Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
- ELECTROMAGNETIC PROPULSION**
Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- ELECTROMAGNETIC PULSES**
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- ELECTROMAGNETIC PUMPS**
Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
- ELECTROMAGNETIC RADIATION**
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
- Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
- Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
- Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- Method and apparatus for measuring electromagnetic radiation
[NASA-CASE-LEW-11159-1] c 14 N73-28488
- Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N86-24879
- ELECTROMAGNETIC SHIELDING**
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
- Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
- Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
- ELECTROMAGNETIC WAVE FILTERS**
Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
- ELECTROMAGNETIC WAVE TRANSMISSION**
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
- Gyrottron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- ELECTROMAGNETISM**
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
- Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
- Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337
- ELECTROMAGNETS**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
- Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
- Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
- Magnetic bearing --- for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574
- Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352
- ELECTROMECHANICAL DEVICES**
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
- Bi-metallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929
- Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182
- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
- Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
- Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
- Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
- Ferrolidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
- Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
- Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- Two-dimensional scanner apparatus --- flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928
- Electro-explosive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604
- ELECTROMETERS**
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- ELECTROMIGRATION**
Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- ELECTROMOTIVE FORCES**
Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- ELECTRON ATTACHMENT**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- ELECTRON BEAM WELDING**
Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
- Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486

ELECTRON BEAMS

- Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195
Image tube --- deriving electron beam replica of image
[NASA-CASE-GSC-11602-1] c 33 N74-21850
Very high intensity light source using a cathode ray tube --- electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1-CU] c 25 N87-18625
- ELECTRON BOMBARDMENT**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982
Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
Apparatus and furnace for containerless processing of high temperature materials in space
[NASA-CASE-MFS-28087-1] c 35 N86-23899
- ELECTRON CAPTURE**
Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415
- ELECTRON DISTRIBUTION**
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- ELECTRON EMISSION**
Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587
- ELECTRON ENERGY**
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
- ELECTRON FLUX DENSITY**
Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982
- ELECTRON GUNS**
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- ELECTRON IRRADIATION**
Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- ELECTRON MICROSCOPES**
Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982
Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732
Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- ELECTRON MICROSCOPY**
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

ELECTRON OSCILLATIONS

- Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679
- ELECTRON PHOTON CASCADES**
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- ELECTRON PLASMA**
Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661
- ELECTRON SOURCES**
Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- ELECTRON TRANSFER**
Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
- ELECTRON TRANSITIONS**
Diatomic infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- ELECTRON TUBES**
Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319
Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Gyrolon transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- ELECTRON TUNNELING**
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492
- ELECTRONIC CONTROL**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- ELECTRONIC EQUIPMENT**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470
Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261

- Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213
- ELECTRONIC EQUIPMENT TESTS**
Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
Cross-contact chain
[NASA-CASE-NPO-16784-1] c 33 N87-10231
- ELECTRONIC FILTERS**
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
- ELECTRONIC MODULES**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
Electronically scanned pressure sensor module with in SITU calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- ELECTRONIC PACKAGING**
Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951

Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918

Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467

Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839

Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934

ELECTRONIC RECORDING SYSTEMS
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339

ELECTRONIC TRANSDUCERS
Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616

Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597

Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366

Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392

Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934

ELECTRONS
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767

ELECTROPHORESIS
Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948

Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104

Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163

Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169

Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397

Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715

Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126

Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

Moving wall, continuous flow electrophoresis apparatus
[NASA-CASE-MFS-28142-1] c 25 N87-18627

ELECTROPHOTOMETERS
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

ELECTROPHYSIOLOGY
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618

ELECTROPLATING
Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903

Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691

Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569

Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524

Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388

ELECTROSTATIC CHARGE
Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095

Electrostatic measurement system --- for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477

Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

ELECTROSTATIC ENGINES

Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265

Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422

Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245

Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02068] c 28 N71-15661

ELECTROSTATIC GENERATORS

Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331

Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142

ELECTROSTATIC PRECIPITATORS

Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192

Small conductive particle sensor --- microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431

ELECTROSTATIC PROBES

Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014

Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

ELECTROSTATIC PROPULSION

Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574

Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213

ELECTROSTATIC SHIELDING

Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148

Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397

High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146

ELECTROSTATICS

Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522

ELECTROTHERMAL ENGINES

Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356

Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175

Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875

ELEVATION

Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N87-16918

ELEVATORS (LIFTS)

Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815

Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453

ELEVONS

High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

ELLIPSES

Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079

ELLIPSONETERS

Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

ELONGATION

Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233

Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449

ELUTION

Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397

EMERGENCIES

Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205

Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761

EMERGENCY BREATHING TECHNIQUES

Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

EMERGENCY LIFE SUSTAINING SYSTEMS

Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851

Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

EMERGENCY LOCATOR TRANSMITTERS

Improved legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226

EMISSION SPECTRA

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

EMITTANCE

Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875

EMITTERS

Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112

EMULSIONS

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

ENAMELS

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

ENCAPSULATING

Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046

Flexible, repairable, pottable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881

Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992

Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044

Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528

Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004

ENCLOSURES

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436

Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364

Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213

END EFFECTORS

Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N86-19603

Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 37 N86-20789

Passively activated prehensile digit for a robotic end effector
[NASA-CASE-NPO-16766-1-CU] c 37 N87-14705

ENDOSCOPES

Boreoscope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452

Apparatus for endoscopic examination --- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725

ENDOTHERMIC REACTIONS

Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

ENEMY PERSONNEL

Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160

ENERGY ABSORPTION

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861

Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679

Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201

Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530

Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877

Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959

Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443

Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876

Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460

ENERGY BANDS

- Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1CU] c 76 N87-15883
- ENERGY CONSERVATION**
Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007
Three axis attitude control system
[NASA-CASE-GSC-12970-1] c 08 N86-20396
- ENERGY CONSUMPTION**
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
- ENERGY CONVERSION**
Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582
- ENERGY CONVERSION EFFICIENCY**
Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
- ENERGY DISSIPATION**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
- ENERGY DISTRIBUTION**
Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
- ENERGY GAPS (SOLID STATE)**
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-16337-1] c 33 N85-20251
High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399
- ENERGY LEVELS**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
- ENERGY POLICY**
Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

- Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255

ENERGY SOURCES

- Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522

ENERGY STORAGE

- Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721

ENERGY TECHNOLOGY

- Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582
Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017

ENERGY TRANSFER

- Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657
Gas particle radiator
[NASA-CASE-LEW-14297-1] c 35 N87-15452

ENGINE ANALYZERS

- Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345

ENGINE CONTROL

- Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681

ENGINE COOLANTS

- Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710

ENGINE DESIGN

- Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640

ENGINE FAILURE

- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

ENGINE INLETS

- Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

ENGINE MONITORING INSTRUMENTS

- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

ENGINE NOISE

- Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

ENGINE PARTS

- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N86-32740
Composite piston
[NASA-CASE-LAR-13435-1] c 37 N87-15464

ENGINE STARTERS

- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

ENGINE TESTS

- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844

ENGINEERING DRAWINGS

- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986

ENTHALPY

- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156

ENTRAINMENT

- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

ENUMERATION

Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604

ENVIRONMENT SIMULATION

Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619

ENVIRONMENT SIMULATORS

Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964

ENVIRONMENTAL CONTROL

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750

ENVIRONMENTAL ENGINEERING

Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792

ENVIRONMENTAL MONITORING

System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603

ENVIRONMENTAL TESTS

Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

ENVIRONMENTS

Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195

ENZYME ACTIVITY

Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052

ENZYMES

Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086

EPICYCLOIDS

Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377

EPITAXY

Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
Floating emitter solar cell junction transistor
[NASA-CASE-NPO-16467-1-CU] c 33 N86-24908
Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760

EPOXY COMPOUNDS

Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
Antenna groud replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

EPOXY MATRIX COMPOSITES

Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451

EPOXY RESINS

Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
Metal (2,4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
Aminophenoxycyclophosphazene cured epoxy resins and the composites, laminates and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N86-21686
Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613

EQUATIONS OF MOTION

Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

EQUIPMENT

Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
Airborne tracking Sun photometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N86-21982

EQUIPMENT SPECIFICATIONS

Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

EQUIPOTENTIALS

Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

ERGOMETERS

Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932

EROSION

Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

ERROR ANALYSIS

Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263

ERROR CORRECTING CODES

Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N85-20249
Local area network with fault-checking, priorities and redundant backup
[NASA-CASE-NPO-16949-1-CU] c 62 N87-19021

ERROR CORRECTING DEVICES

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

ERROR DETECTION CODES

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
Local area network with fault-checking, priorities and redundant backup
[NASA-CASE-NPO-16949-1-CU] c 62 N87-19021

ERROR SIGNALS

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850

ERRORS

Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138

ESCAPE CAPSULES

Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199

- Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- ESCAPE SYSTEMS**
- Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345
- Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- ESCHERICHIA**
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- ESTERS**
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- ETCHING**
- Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033
- Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
- Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
- Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
- Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
- Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- ETHANE**
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- ETHERS**
- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
- Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Perfluoro (Imidoylamidine) diamidines
[NASA-CASE-ARC-11402-3] c 23 N86-21582
- Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526
- ETHYL COMPOUNDS**
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 27 N84-22747
- The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515
- ETHYLENE OXIDE**
- Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
- Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- EUTECTIC ALLOYS**
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
- Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- EVACUATING (VACUUM)**
- Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
- Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- EVAPORATION**
- Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
- EVAPORATIVE COOLING**
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- EVAPORATORS**
- Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
- Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N86-27593
- EXAMINATION**
- Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594
- EXCHANGING**
- Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115
- EXCLUSION**
- Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- EXHAUST EMISSION**
- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- EXHAUST GASES**
- Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
- Gas turbine exhaust nozzle --- for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
- Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
- Exhaust flow deflector --- for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
- Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
- High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- EXHAUST NOZZLES**
- Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
- Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374
- Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
- Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
- Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873
- EXOTHERMIC REACTIONS**
- Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
- Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- EXPANDABLE STRUCTURES**
- Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981
- Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
- Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
- Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
- Means for accommodating large overstrain in lead wires --- by storing extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867
- Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
- EXPANSION**
- Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- EXPERIMENT DESIGN**
- Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
- Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
- Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- EXPIRED AIR**
- Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- EXPLOSIONS**
- Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- EXPLOSIVE DEVICES**
- Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
- Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
- Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
- Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
- Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
- Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097
- EXPLOSIVE FORMING**
- Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
- EXPLOSIVE WELDING**
- Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
- Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
- Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
- EXPLOSIVES**
- Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
- Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
- Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- EXPONENTIAL FUNCTIONS**
- Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
- EXPOSURE**
- Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461

Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

EXPULSION
Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150

EXPULSION BLADDERS
Expulsion bladder-equipped storage tank structure
Patent
[NASA-CASE-XNP-00612] c 11 N70-38182

EXTENSIONS
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701

EXTENSOMETERS
Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375

EXTERNAL COMBUSTION ENGINES
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

EXTERNAL STORE SEPARATION
Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334
Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314

EXTERNAL STORES
Decoupler pylon: wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373

EXTERNAL TANKS
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334

EXTRACTION
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709

EXTRAVEHICULAR ACTIVITY
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
Life support system
[NASA-CASE-MSC-12411-1] c 05 N72-20096
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758

EXTREMELY LOW RADIO FREQUENCIES
VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614

EXTRUDING
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154

EYE (ANATOMY)
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639

EYE DISEASES

Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639

EYE EXAMINATIONS

Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793

EYEPIECES

Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857

F**FABRICATION**

Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150
Method of fabricating an imaging X-ray spectrometer
[NASA-CASE-GSC-12956-1] c 35 N87-14671

FABRICS

Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238
Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125

FABRY-PEROT INTERFEROMETERS
Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491

FACSIMILE COMMUNICATION
Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

FACTIORIAL DESIGN

Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195

FAIL-SAFE SYSTEMS

Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903
Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527
Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013

FAILURE ANALYSIS

Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

FAILURE MODES

High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

FAIRINGS

Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

FALLING SPHERES

Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587

FAR INFRARED RADIATION

Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N86-20779

FAR ULTRAVIOLET RADIATION

Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641

FARADAY EFFECT

Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

FAST FOURIER TRANSFORMATIONS

Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651

FASTENERS

Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799

- Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653
- Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
- Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
- Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
- Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
- Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
- Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
- Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335

FATIGUE (MATERIALS)

- Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387

FATIGUE LIFE

- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
- High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
- High speed hybrid bearing comprising a fluid bearing and a rolling bearing convected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
- Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493

FATIGUE TESTING MACHINES

- Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
- Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N86-32770

FATIGUE TESTS

- Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221

FATS

- Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

FECES

- Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192

FEED SYSTEMS

- Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
- Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
- Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406

FEEDBACK

- Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
- Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167
- Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254

FEEDBACK AMPLIFIERS

- Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058
- Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
- Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860

FEEDBACK CIRCUITS

- Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
- Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
- Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
- Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356

FEEDBACK CONTROL

- Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
- Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
- A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
- Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
- The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
- System and method for tracking a signal source --- employing feedback control
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237
- Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
- Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N86-20129

FEEDBACK FREQUENCY MODULATION

- Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
- Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205

- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

FEEDERS

- Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778

FEET (ANATOMY)

- Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112

FELTS

- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221

FEMALES

- Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- Urine collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

FERMENTATION

- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

FERRITES

- Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257

FERROFLUIDS

- Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284

FERROMAGNETIC MATERIALS

- Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335

FERROMAGNETIC RESONANCE

- Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673

FERROMAGNETISM

- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248

FIBER COMPOSITES

- Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
- Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027
- Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131

FIBER OPTICS

- Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
- Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
- Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
- Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749

Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N86-20129

FIBER REINFORCED COMPOSITES
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392

Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950

Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450

Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451

Fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-14517

Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613

FIBER RELEASE
Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260

Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954

FIBER STRENGTH
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436

FIBERS
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456

Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150

Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745

FIELD EFFECT TRANSISTORS
Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500

Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882

Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156

Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162

Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205

Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329

Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331

Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326

Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360

CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126

JFET reflection oscillator
[NASA-CASE-GSC-12555-1] c 33 N86-19515

Hybrid power semiconductor
[NASA-CASE-LEW-13922-1] c 33 N86-20672

FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N87-13313

FIELD EMISSION
Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246

Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149

FIELD OF VIEW
Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139

FILAMENT WINDING
Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809

Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651

Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571

Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

FILAMENTS
Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812

Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752

FILLERS
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322

Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180

Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258

Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615

Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339

FILM COOLING
Multistep film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942

Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144

Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177

Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433

FILM THICKNESS
Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253

Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949

Degassifying and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112

FILMS
Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

FILTERS
Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773

Centrifugal hydrophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608

FILTRATION
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

Infusion extractor
[NASA-CASE-MSC-20761-1] c 37 N87-15465

FINS
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629

Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

FIRE EXTINGUISHERS
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977

Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

FIRE PREVENTION
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412

Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019

Fire resistant polyamide based on 1-(diorganoxyphosphonyl)methyl-2,4- and -2,6diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568

FIREPROOFING
Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014

Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562

Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572

Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405

Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213

Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

FIRES
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375

Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

FIRES (IGNITING)
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

FITTINGS
Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789

Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N86-19603

Expandable pallet for space station interface attachments
[NASA-CASE-MSC-21117-1] c 18 N87-18597

FIXED WINGS
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

FIXTURES
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918

Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

FLAME PROBES
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

FLAME RETARDANTS
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213

Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262

Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116

Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158

Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438

Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

- Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- The 1 - (dialkoxyposphonyl)methyl-2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
- Fire resistant polymers based on 1-((dialkoxyposphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
- The 1-(diorganooxophosphonyl)methyl-2, 4- and -2, 6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499
- Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797
- Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525

FLAME SPRAYING

- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
- Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
- Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

FLAME TEMPERATURE

- Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357

FLAMES

- Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403

FLAMMABILITY

- Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
- Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
- Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- Fire resistant polymers based on 1-((dialkoxyposphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
- Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909

FLANGES

- Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
- Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
- Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562

FLAPS (CONTROL SURFACES)

- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- Reversed cowl flap inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736

FLARED BODIES

- Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

FLASH LAMPS

- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189

FLAT CONDUCTORS

- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
- Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
- Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
- Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

FLAT PLATES

- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
- Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- Two-dimensional scanner apparatus --- flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928

FLEXIBILITY

- Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
- Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527
- Flexible diaphragm: Extreme temperature usage
[NASA-CASE-MSC-20797-1] c 37 N86-20806
- Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036

FLEXIBLE BODIES

- Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
- Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
- Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
- Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
- Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
- Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
- Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N87-14413

FLEXIBLE WINGS

- Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
- Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038

FLEXING

- Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492

FLIGHT

- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692

FLIGHT ALTITUDE

- Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
- Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
- System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443

FLIGHT CLOTHING

- Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758

FLIGHT CONTROL

- Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
- Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
- Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
- Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014
- Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522

FLIGHT CREWS

- Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285

FLIGHT INSTRUMENTS

- Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733

FLIGHT RECORDERS

- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006

FLIGHT SAFETY

- Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641

FLIGHT SIMULATION

- Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
- Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663

FLIGHT SIMULATORS

- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
- Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
- Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
- Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
- Vehicle simulator binocular multipanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
- Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892

- Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
- Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- Sideloading laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N85-19990
- Simulator scene display evaluation device
[NASA-CASE-ARC-11504-1] c 09 N86-32447
- FLIGHT TESTS**
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
- FLIGHT TRAINING**
Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N85-19990
- FLIGHT VEHICLES**
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
- Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- FLIP-FLOPS**
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- FLOAT ZONES**
Floating emitter solar cell junction transistor
[NASA-CASE-NPO-16467-1-CU] c 33 N86-24908
- Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004
- FLOATING**
Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
- Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
- Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
- FLOATS**
Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
- FLOORS**
Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N87-16918
- FLOTATION**
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
- FLOW CHAMBERS**
Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- Moving wall, continuous flow electrophoresis apparatus
[NASA-CASE-MFS-28142-1] c 25 N87-18627
- FLOW CHARACTERISTICS**
Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
- Thin-element riblet surface
[NASA-CASE-LAR-13553-1] c 34 N87-18778
- FLOW DIRECTION INDICATORS**
Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
- Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- FLOW DISTORTION**
Moving wall, continuous flow electrophoresis apparatus
[NASA-CASE-MFS-28142-1] c 25 N87-18627
- FLOW DISTRIBUTION**
Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
- Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
- Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- Fluidic momentum controller
[NASA-CASE-MSC-20906-1] c 18 N86-19344
- Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680
- Self-compensating solenoid valve
[NASA-CASE-ARC-11620-1] c 37 N86-21859
- High effectiveness contour matching contact heat exchanger
[NASA-CASE-MSC-20840-1] c 34 N87-18779
- FLOW MEASUREMENT**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577
- Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154
- Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N86-24978
- Fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N86-25752
- Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N87-14669
- FLOW REGULATORS**
Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
- Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
- Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
- Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
- Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
- Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
- Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147
- Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
- Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
- Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
- Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577
- Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- Self-compensating solenoid valve
[NASA-CASE-ARC-11620-1] c 37 N86-21859
- Moving wall, continuous flow electrophoresis apparatus
[NASA-CASE-MFS-28142-1] c 25 N87-18627
- FLOW RESISTANCE**
Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783
- FLOW STABILITY**
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- FLOW VELOCITY**
Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
- Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
- Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
- Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
- Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
- Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
- Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- FLOW VISUALIZATION**
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
- Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535
- FLOWMETERS**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
- Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
- Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
- Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018
- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402

- Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547
- Fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N86-25752
- FLUID AMPLIFIERS**
- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
- Multiway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
- Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
- Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
- Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- FLUID DYNAMICS**
- Degassing and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652
- FLUID FILLED SHELLS**
- Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- FLUID FILMS**
- Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
- Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
- FLUID FILTERS**
- Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
- High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
- Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
- Fluid control apparatus and method
[NASA-CASE-LAR-111110-1] c 34 N75-26282
- Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
- Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285
- Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- FLUID FLOW**
- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
- Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
- Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
- Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- Multiway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
- Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
- Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
- Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546

- Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
- Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741
- Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
- Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
- Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484
- Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
- Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- Fluid leak indicator
[NASA-CASE-MSC-20783-1] c 35 N86-20756
- Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800
- Fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N86-25752
- Two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N86-32696
- Multi-path peristaltic pump
[NASA-CASE-MSC-20907-1] c 37 N87-18818
- FLUID INJECTION**
- Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
- Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
- Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- FLUID JETS**
- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856

- FLUID LOGIC**
- Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
- FLUID MECHANICS**
- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- FLUID POWER**
- Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
- Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- FLUID PRESSURE**
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788
- FLUID ROTOR GYROSCOPES**
- Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
- FLUID SWITCHING ELEMENTS**
- Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
- FLUID TRANSMISSION LINES**
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- FLUIDIC CIRCUITS**
- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- FLUIDICS**
- Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
- Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
- Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
- Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1] c 35 N86-32695
- FLUIDIZED BED PROCESSORS**
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- FLUIDS**
- Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
- Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385
- Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N85-21595
- FLUORESCENCE**
- Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
- Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-12321-1] c 45 N75-27585
- Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900
- Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N86-26190

FLUORIDES

- Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
- Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121

FLUORINATION

- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098

FLUORINE

- Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570

FLUORINE COMPOUNDS

- Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

FLUORO COMPOUNDS

- New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

FLUOROCARBONS

- Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06774-2] c 06 N72-25150

FLUOROHYDROCARBONS

- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis --- synthetic routes to monomers for polyimides
[NASA-CASE-LEW-14345-1] c 23 N87-14432
- New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N87-14433

FLUOROPOLYMERS

- Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis --- synthetic routes to monomers for polyimides
[NASA-CASE-LEW-14345-1] c 23 N87-14432
- New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N87-14433

FLUTTER

- Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Decoupler pylon: wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594
- Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314

FLUTTER ANALYSIS

- Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448

FLUX (RATE)

- Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325

- Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575

FLUX DENSITY

- Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
- Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575

FLUXES

- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078

FLYWHEELS

- Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
- Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
- Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527
- Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- Three axis attitude control system
[NASA-CASE-GSC-12970-1] c 08 N86-20396

FOAMS

- Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570

FOCAL PLANE DEVICES

- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N87-17026

FOCI

- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

FOCUSING

- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
- Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027

- Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Multiplate focusing collimator --- for scanning small near radiation sources
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
- Scanning afoal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N86-24978

FOG

- Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398

FOILS (MATERIALS)

- Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
- Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
- Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814

FOLDING

- Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180

FOLDING STRUCTURES

- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00280] c 31 N70-37924
- Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
- Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
- Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
- Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630
- Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
- Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
- Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
- Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
- Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479
- Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 37 N86-20789
- Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
- Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867
- Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
- Deployable M-braced truss structure
[NASA-CASE-LAR-13081-1] c 37 N86-32737
- Foldable self-erecting joint
[NASA-CASE-MSC-20635-1] c 18 N87-14373
- Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036

FOOD

- Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435

FOOTPRINTS

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918

FORCE

Ferrofluidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185

FORCE DISTRIBUTION

Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466

Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439

Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834

Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411

Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463

Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329

Device for quick changeover between wind tunnel force and pressure testing
[NASA-CASE-LAR-13512-1] c 35 N87-14675

FORCED VIBRATION

Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

FOREBODIES

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

FORMALDEHYDE

Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

Synthesis of 2,4,8,10-tetroxaspiro[5.5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187

FORMAT

Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

FORMATES

Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103

FORMING TECHNIQUES

Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330

Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579

Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833

Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836

Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522

Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521

Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920

Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371

Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446

Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461

Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837

Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436

Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333

Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752

Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

FOSSIL FUELS

Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709

FOUNDATIONS

Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454

Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383

Space station erectable manipulator placement system
[NASA-CASE-MSC-21096-1] c 18 N87-18596

FOURIER TRANSFORMATION

Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539

Remotely controllable real-time optical processor
[NASA-CASE-NPO-16750-1-CU] c 74 N87-19064

FRACTIONATION

Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184

Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397

Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126

Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431

FRACTURE MECHANICS

Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993

FRACTURE STRENGTH

Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271

High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

Process of end-capping a polyimide system
[NASA-CASE-LAR-13135-1] c 27 N86-19456

FRAMES

Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343

Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749

Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396

Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471

FRAMING CAMERAS

High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411

FREE FLIGHT TEST APPARATUS

Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677

Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604

Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926

FREE WING AIRCRAFT

Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061

FREEZE DRYING

Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096

FREEZING

System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

FREON

Solar energy power system --- using Freon
[NASA-CASE-MFS-21628-1] c 44 N75-32581

FREQUENCIES

Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194

High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

FREQUENCY ANALYZERS

Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692

Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583

Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408

Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539

Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315

FREQUENCY CONTROL

Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987

Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604

Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995

Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467

Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962

Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841

Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000

Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790

Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427

Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321

Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349

High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454

Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943

Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N86-20668

FREQUENCY CONVERTERS

Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500

Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752

Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882

Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257

Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874

FREQUENCY DISCRIMINATORS

PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405

Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679

Acoustic emission frequency discrimination
[NASA-CASE-MSC-20467-1] c 35 N87-14676

FREQUENCY DISTRIBUTION

Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200

Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810

Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323

FREQUENCY DIVIDERS

Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229

Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223

Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330

Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354

FREQUENCY DIVISION MULTIPLEXING

Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621

Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176

FREQUENCY MEASUREMENT

Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386

Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331

Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338

Method and apparatus for measuring frequency and phase difference
[NASA-CASE-MSC-20865-1] c 32 N87-18692

Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761

FREQUENCY MODULATION

- Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
- Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
- Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
- Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
- Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
- Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- FREQUENCY MULTIPLIERS**
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Open loop digital frequency multiplier
[NASA-CASE-MSC-12709-1] c 33 N77-24375

FREQUENCY RANGES

- Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
- Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
- Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195

FREQUENCY SCANNING

- Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

FREQUENCY SHIFT

- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
- Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
- Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- Laser Doppler velocity simulator --- to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321

FREQUENCY SHIFT KEYING

- Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- Single frequency multitransmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863

FREQUENCY STABILITY

- Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331

FREQUENCY STANDARDS

- Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
- Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436

- Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
- Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

FREQUENCY SYNCHRONIZATION

- Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
- Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

FREQUENCY SYNTHESIZERS

- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145
- JFET reflection oscillator
[NASA-CASE-GSC-12555-1] c 33 N86-19515

FRICTION

- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231
- Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288

FRICTION DRAG

- Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N86-26575

FRICTION FACTOR

- Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492

FRICTION MEASUREMENT

- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- Two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N86-32696

FRICTION REDUCTION

- Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383

FRICTIONLESS ENVIRONMENTS

- Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
- Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
- Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223

FROST

- Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
- Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 35 N84-28018

FUEL CAPSULES

- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846

FUEL CELL POWER PLANTS

- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403

FUEL CELLS

- Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
- Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
- Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

- Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204
- Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403

FUEL COMBUSTION

- Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958

FUEL CONSUMPTION

- Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389

FUEL CONTROL

- Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
- Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
- Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
- Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
- Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Gas turbine engine fuel control
[NASA-CASE-LEW-1187-1] c 28 N73-19793
- Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958

FUEL FLOW

- System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772

FUEL FLOW REGULATORS

- Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

FUEL GAGES

- Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134

FUEL INJECTION

- Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
- Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
- Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
- Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
- Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
- Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420

FUEL OILS

- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

FUEL PUMPS

- Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058

FUEL SYSTEMS

- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
- Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
- Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129

Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029

Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389

FUEL TANK PRESSURIZATION

Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247

Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042

Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929

FUEL TANKS

Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988

Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103

Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106

Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387

Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186

High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610

Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841

FUEL VALVES

Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535

Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024

Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426

FUEL-AIR RATIO

Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195

FUELS

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

FUNCTION GENERATORS

Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952

Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248

Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253

Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230

FURLABLE ANTENNAS

Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979

Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169

Furlable antenna --- antenna design
[NASA-CASE-NPO-13553-1] c 33 N76-32457

FURNACES

High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147

Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625

Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267

High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215

High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631

Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220

Apparatus and furnace for containerless processing of high temperature materials in space
[NASA-CASE-MFS-28087-1] c 35 N86-23899

FUSELAGES

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975

Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

FUSION (MELTING)

Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571

Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748

Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930

Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083

FUSION WELDING

Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267

Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393

Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468

Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128

G

GADOLINIUM

Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607

Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

GALLIUM

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

GALLIUM ARSENIDES

GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064

Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027

Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156

Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043

Vapor deposition apparatus --- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192

Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906

GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150

GALVANIC SKIN RESPONSE

Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

GAMMA RAY SPECTROMETERS

Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279

GAMMA RAYS

Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392

Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857

Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920

Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281

GANTRY CRANES

Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

GAPS

Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392

Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

GARMENTS

Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189

Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546

Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736

Urine collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

GAS ANALYSIS

Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774

Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701

Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041

Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137

Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863

Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141

Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444

Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949

Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857

NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502

Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656

Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323

Analysis of volatile organic compounds --- trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161

Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456

Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015

Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N87-18626

GAS BAGS

Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

GAS BEARINGS

Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664

Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620

Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896

Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617

Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031

Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739

Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812

Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465

Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740

Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388

Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451

Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459

Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588

Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418

- Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606
- GAS CHROMATOGRAPHY**
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- GAS COMPOSITION**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213
- GAS COOLED REACTORS**
Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- GAS COOLING**
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- GAS DENSITY**
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- GAS DETECTORS**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Carbon monoxide monitor --- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- GAS DISCHARGE TUBES**
Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
- GAS DISCHARGES**
Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N86-20778
- GAS EVOLUTION**
Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
- GAS EXPANSION**
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
- GAS FLOW**
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433
Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547
- GAS GENERATORS**
Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
Vortex breech high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
- GAS GUNS**
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- GAS HEATING**
Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- GAS INJECTION**
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Ozonation of cooling tower waters
[NASA-CASE-NPO-13430-1] c 45 N80-14579
Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N86-26595
- GAS IONIZATION**
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- GAS JETS**
Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- GAS LASERS**
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- GAS LUBRICANTS**
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490
- GAS MASERS**
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
- GAS MIXTURES**
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774

- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
- Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
- GAS PIPES**
- Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
- GAS PRESSURE**
- Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
- Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
- Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
- Pressure limiting propellant actuating system
[NASA-CASE-MS-C-18179-1] c 20 N80-18097
- Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- GAS STREAMS**
- Method for measuring the characteristics of a gas
Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
- Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MS-C-16258-1] c 45 N79-12584
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- GAS TEMPERATURE**
- Method for measuring the characteristics of a gas
Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
- GAS TRANSPORT**
- Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- GAS TUBES**
- Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- GAS TURBINE ENGINES**
- Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
- Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
- Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- Fused silicic coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
- Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
- Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
- Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490
- Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606
- Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389
- Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N86-32740
- GAS TURBINES**
- Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- Gas turbine exhaust nozzle --- for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
- Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- GAS VALVES**
- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
- Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
- Slow opening valve --- valve design for shuttle portable oxygen system
[NASA-CASE-MS-C-20112-1] c 37 N85-20338
- GAS WELDING**
- Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
- Grain refinement control in TIG arc welding
[NASA-CASE-MS-C-19095-1] c 37 N75-19683
- GAS-LIQUID INTERACTIONS**
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- GAS-METAL INTERACTIONS**
- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- GASDYNAMIC LASERS**
- Diatom infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- GASEOUS DIFFUSION**
- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- GASEOUS FISSION REACTORS**
- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- GASEOUS ROCKET PROPELLANTS**
- Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
- GASES**
- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- Low gravity phase separator
[NASA-CASE-MS-C-14773-1] c 35 N78-12390
- Water separator
[NASA-CASE-MS-C-01295-1] c 37 N79-21345
- GASIFICATION**
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- GASKETS**
- Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- GATES (CIRCUITS)**
- Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
- FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N87-13313
- GATES (OPENINGS)**
- Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- GAW-1 AIRFOIL**
- Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
- GEAR TEETH**
- Wobble gear drive mechanism --- for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
- Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
- GEARS**
- Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
- Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- Sequencing device utilizing planetary gear set
[NASA-CASE-MS-C-19514-1] c 37 N79-20377

- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- GELLED ROCKET PROPELLANTS**
Process of forming particles in a cryogenic path
Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- GELS**
Intermittent type silica gel adsorption refrigerator
Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570
- GENERAL AVIATION AIRCRAFT**
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- GENERATORS**
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- GEODESY**
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- GEODETIC SURVEYS**
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
- GEODIMETERS**
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
- GEOLOGICAL SURVEYS**
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
- GEOMETRY**
Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- GERMANIUM**
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- GIMBALS**
Gimbale, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- Failure detection and control means for improved drift performance of a gimbal platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- GLANDS (SEALS)**
Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- GLASS**
Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- GLASS COATINGS**
Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- GLASS ELECTRODES**
Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- GLASS FIBER REINFORCED PLASTICS**
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- GLASS FIBERS**
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
- Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
- Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262
- Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718
- GLASSWARE**
Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N86-20751
- GLAUCOMA**
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- GLIDE PATHS**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- GLOBAL POSITIONING SYSTEM**
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1CU] c 04 N86-27270
- GLOBES**
Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
- GLOVES**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484
- GLOW DISCHARGES**
Deposition of alloy films --- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- GLUCOSE**
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- GLYCOLS**
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- GOLD COATINGS**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
- Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- GONDOLAS**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- GRANULAR MATERIALS**
Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
- Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- GRAPHITE**
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131
- GRAPHITE-EPOXY COMPOSITES**
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- Method and device for detection of a substance --- determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N86-23750
- Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613
- GRATINGS (SPECTRA)**
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
- Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- GRAVIMETERS**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- GRAVITATION**
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- GRAVITATIONAL CONSTANT**
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- GRAVITATIONAL EFFECTS**
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619

Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803
Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629

GRAVITATIONAL FIELDS
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

GRAVITY GRADIENT SATELLITES
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969

GRAVITY GRADIOMETERS
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324

GRAZING INCIDENCE
Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
Multispectral glancing incidence X-ray telescope
[NASA-CASE-MFS-28013-1] c 89 N86-22459

GRIDS
Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666

GRINDING (MATERIAL REMOVAL)
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

GRINDING MACHINES
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905

GROOVES
Energy absorbing device Patent
[NASA-CASE-XMF-10400] c 15 N71-22877
Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
Spiral groove seal --- for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125
Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180

GROUND EFFECT (COMMUNICATIONS)
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390

GROUND EFFECT MACHINES
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672

GROUND HANDLING
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383

GROUND STATIONS
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323

GROUND SUPPORT EQUIPMENT
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

GROUND-AIR-GROUND COMMUNICATION

Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

GROUT
Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

GUARDS (SHIELDS)
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

GUIDANCE (MOTION)
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288

GUIDANCE SENSORS
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769

GUN LAUNCHERS
Self-obliterating, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247

GUN PROPELLANTS
Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255
Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

GUNN EFFECT
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235

GUNS
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

GYNECOLOGY
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

GYRATORS
Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
Integrable power gyrator --- with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428

GYROSCOPES
Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132
Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094

All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

GYROSCOPIC PENDULUMS
Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

GYROSTABILIZERS
Passive dual spin misalignment compensators --- gyro stabilized device
[NASA-CASE-GSC-11479-1] c 35 N74-28097
Angular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

H

HAFNIUM

Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

HALIDES

Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
The 1 - (dialkoxyphosphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

HALL EFFECT

Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037
Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569

HALL GENERATORS

Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037

HALOGENS

Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-NPO-10098-1] c 06 N71-24739

HAMMERS

Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446

HAND (ANATOMY)

Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652

HANDLING EQUIPMENT

Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

HARDENING (MATERIALS)

Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236

HARDNESS

Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153

HARMONIC GENERATORS

Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223

HARNESSES

Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085
Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915

HATCHES

Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345

HEAD-UP DISPLAYS

Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733

HEART FUNCTION

Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473

Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726

HEART RATE
Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

HEAT
Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599

HEAT EXCHANGERS
Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
Combustor --- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
Heat exchanger --- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
Monogroove cold plate --- heat-pipe exchanger for space applications
[NASA-CASE-MSC-20946-1] c 34 N86-32661
Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875
High effectiveness contour matching contact heat exchanger
[NASA-CASE-MSC-20840-1] c 34 N87-18779

HEAT FLUX
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948

HEAT MEASUREMENT
Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
Specific wavelength colorimeter --- for measuring given solute concentration in test sample
[NASA-CASE-MSC-14081-1] c 35 N74-27860
Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N87-18626

HEAT OF COMBUSTION
Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N87-18626

HEAT OF VAPORIZATION

Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N86-20721

HEAT PIPES
Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N86-27593
Monogroove cold plate --- heat-pipe exchanger for space applications
[NASA-CASE-MSC-20946-1] c 34 N86-32661

HEAT PUMPS
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625

HEAT RADIATORS
Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026

HEAT RESISTANT ALLOYS
High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
Cermet composition and method of fabrication --- heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311
Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187

Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N86-26414
Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192

HEAT SHIELDING
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
Synthesis of polymeric Schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
Multiwall thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335
Aerobraking orbital transfer vehicle
[NASA-CASE-MSC-20921-1] c 18 N86-20471

HEAT SINKS
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307

HEAT SOURCES
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

HEAT STORAGE

HEAT STORAGE

- Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
- Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474

HEAT TRANSFER

- Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
- High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
- Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N86-20721
- Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N87-19116

HEAT TRANSMISSION

- Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692

HEAT TREATMENT

- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871

- Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
- Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N86-26414
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570
- Fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-14517
- Active hold-down for heat treating
[NASA-CASE-NPO-16892-1-CU] c 37 N87-14704

HEATERS

- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935

HEATING

- System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
- Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214
- Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389

HEATING EQUIPMENT

- Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
- Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N86-26575

HEIGHT

- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-LAR-11312-1] c 36 N83-34304

HELICAL ANTENNAS

- Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117

HELICOPTER WAKES

- Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018

HELICOPTERS

- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847

- Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
- Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700
- High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N87-14282

HELIOSTATS

- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520

HELIUM

- Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
- High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082

HELIUM HYDROGEN ATMOSPHERES

- Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334

HELIUM IONS

- Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402

HELIUM-NEON LASERS

- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422

HELMETS

- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

HELMHOLTZ RESONATORS

- Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933

HEMISPHERICAL SHELLS

- Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604

HERMETIC SEALS

- Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
- Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
- Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
- Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450

- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MS-C-20181-1] c 33 N82-28549
- HEXAGONS**
- Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
- HEXAMETHYLENETETRAMINE**
- Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- HEXOKINASE**
- Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- HIGH ACCELERATION**
- Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
- High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- HIGH ALTITUDE**
- Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- HIGH ALTITUDE BALLOONS**
- Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
- Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain
[NASA-CASE-WLP-10055-2] c 35 N85-21598
- HIGH ALTITUDE ENVIRONMENTS**
- Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
- HIGH ASPECT RATIO**
- Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
- Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- HIGH FREQUENCIES**
- Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
- Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929
- JFET reflection oscillator
[NASA-CASE-GSC-12555-1] c 33 N86-19515
- HIGH GAIN**
- Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- HIGH PASS FILTERS**
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- HIGH POLYMERS**
- Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- HIGH POWER LASERS**
- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
- Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- HIGH PRESSURE**
- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
- High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
- Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
- Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
- Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
- High pressure air valve Patent
[NASA-CASE-MS-C-11010] c 15 N71-19485
- Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
- High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
- Gas compression apparatus
[NASA-CASE-MS-C-14757-1] c 35 N78-10428
- Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MS-C-18422-1] c 37 N82-16408
- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788
- Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1CU] c 35 N86-32700
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- HIGH RESOLUTION**
- High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- High resolution Fourier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
- High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- Interferometer --- high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- HIGH SPEED**
- Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
- Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- Selective data segment monitoring system --- using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
- HIGH SPEED CAMERAS**
- Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
- HIGH STRENGTH**
- Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- HIGH STRENGTH ALLOYS**
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- HIGH STRENGTH STEELS**
- Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions --- by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- Process for making a high toughness-high strength iron alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
- HIGH TEMPERATURE**
- High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
- Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
- High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
- Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
- Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352
- Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489
- Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721
- Flexible diaphragm: Extreme temperature usage
[NASA-CASE-MS-C-20797-1] c 37 N86-20806
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- HIGH TEMPERATURE AIR**
- Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
- HIGH TEMPERATURE ENVIRONMENTS**
- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
- Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- Installing fiber insulation
[NASA-CASE-MS-C-16973-1] c 37 N81-14317
- Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MS-C-18526-1] c 37 N82-24494
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
- HIGH TEMPERATURE FLUIDS**
- Self-cycling fluid heater
[NASA-CASE-MS-C-15567-1] c 33 N73-16918
- High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
- HIGH TEMPERATURE GASES**
- Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
- Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
- Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
- Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
- Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

HIGH TEMPERATURE LUBRICANTS

- Start up system for hydrogen generator used with an internal combustion engine
 [NASA-CASE-NPO-13849-1] c 28 N80-10374
 Free-piston regenerative hot gas hydraulic engine
 [NASA-CASE-LEW-12274-1] c 37 N80-31790
 Hot gas engine with dual crankshafts
 [NASA-CASE-NPO-14221-1] c 37 N81-25370
 Curved film cooling admission tube
 [NASA-CASE-LEW-13174-1] c 34 N83-27144

HIGH TEMPERATURE LUBRICANTS

- Method of making self lubricating fluoride-metal composite materials Patent
 [NASA-CASE-XLE-08511-2] c 18 N71-16105
 Self-lubricating fluoride metal composite materials Patent
 [NASA-CASE-XLE-08511] c 18 N71-23710
 Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
 [NASA-CASE-LEW-11930-4] c 24 N79-17916

HIGH TEMPERATURE PLASMAS

- Method and apparatus for producing a plasma Patent
 [NASA-CASE-XLA-00147] c 25 N70-34661

HIGH TEMPERATURE PROPELLANTS

- Feed system for an ion thruster
 [NASA-CASE-NPO-10737] c 28 N72-11709

HIGH TEMPERATURE RESEARCH

- Gas cooled high temperature thermocouple Patent
 [NASA-CASE-XLE-09475-1] c 33 N71-15568
 Light shield and infrared reflector for fatigue testing Patent
 [NASA-CASE-XLA-01782] c 14 N71-26136
 High temperature oxidation resistant cermet compositions
 [NASA-CASE-NPO-13666-1] c 27 N77-13217

HIGH TEMPERATURE TESTS

- High-temperature, high-pressure spherical segment valve Patent
 [NASA-CASE-XAC-00074] c 15 N70-34817
 High temperature testing apparatus Patent
 [NASA-CASE-XLE-00335] c 14 N70-35368
 Apparatus for positioning and loading a test specimen Patent
 [NASA-CASE-XLE-01300] c 15 N70-41993
 Containerless high temperature calorimeter apparatus
 [NASA-CASE-MFS-23923-1] c 35 N81-19426
 Heating and cooling system --- for fatigue test specimens
 [NASA-CASE-LAR-12393-1] c 34 N83-34221

HIGH VACUUM

- Sealing device for an electrochemical cell Patent
 [NASA-CASE-XGS-02630] c 03 N71-22974
 Vacuum evaporator with electromagnetic ion steering Patent
 [NASA-CASE-NPO-10331] c 09 N71-26701
 Apparatus for absolute pressure measurement
 [NASA-CASE-LAR-10000] c 14 N73-30394
 Plasma cleaning device --- designed for high vacuum environments
 [NASA-CASE-MFS-22906-1] c 75 N78-27913

HIGH VACUUM ORBITAL SIMULATOR

- Space environmental work simulator Patent
 [NASA-CASE-XMF-07488] c 11 N71-18773

HIGH VOLTAGES

- Electrode and insulator with shielded dielectric junction
 [NASA-CASE-XLE-03778] c 09 N69-21542
 High-voltage cable Patent
 [NASA-CASE-XNP-00738] c 09 N70-38201
 High voltage pulse generator Patent
 [NASA-CASE-MSC-12178-1] c 09 N71-13518
 High voltage transistor circuit Patent
 [NASA-CASE-XNP-06937] c 09 N71-19516
 High voltage divider system Patent
 [NASA-CASE-XLE-02008] c 09 N71-21583
 High voltage distributor
 [NASA-CASE-GSC-11849-1] c 33 N76-16332
 Sustained arc ignition system
 [NASA-CASE-LEW-12444-1] c 33 N77-28385
 High voltage planar multijunction solar cell
 [NASA-CASE-LEW-13400-1] c 44 N82-31764
 Electronic system for high power load control --- solar arrays
 [NASA-CASE-NPO-15358-1] c 33 N83-27126
 High voltage v-groove solar cell
 [NASA-CASE-LEW-13401-2] c 44 N83-32177
 High voltage isolation transformer
 [NASA-CASE-GSC-12817-1] c 33 N85-29146
 High voltage power supply
 [NASA-CASE-GSC-12818-1] c 33 N85-29147
 Coaxial tube tether/transmission line for manned nuclear space power
 [NASA-CASE-LEW-14338-1] c 20 N87-10174

HIGHWAYS

- Traffic survey system --- using optical scanners
 [NASA-CASE-MFS-22631-1] c 66 N76-19888

HINGES

- Foldable beam
 [NASA-CASE-LAR-12077-1] c 31 N81-25259
 Joint for deployable structures
 [NASA-CASE-NPO-16038-1] c 37 N86-19605
 Synchronously deployable double fold beam and planar truss structure
 [NASA-CASE-LAR-13490-1] c 18 N87-14413
 Locking hinge
 [NASA-CASE-MSC-21056-1] c 18 N87-18595
 Space station erectable manipulator placement system
 [NASA-CASE-MSC-21096-1] c 18 N87-18596

HISTOGRAMS

- Data compression system
 [NASA-CASE-XNP-09785] c 08 N69-21928

HOLDERS

- Water cooled contactor for anode in carbon arc mechanism
 [NASA-CASE-XMS-03700] c 15 N69-24266
 Quick disconnect latch and handle combination Patent
 [NASA-CASE-MFS-11132] c 15 N71-17649
 Holder for crystal resonators Patent
 [NASA-CASE-XNP-03637] c 15 N71-21311
 Adjustable force probe
 [NASA-CASE-MFS-20760] c 14 N72-33377
 Fifth wheel
 [NASA-CASE-FRC-10081-1] c 37 N77-14477
 Combined docking and grasping device
 [NASA-CASE-MFS-23088-1] c 37 N77-23483
 Plural output optometric sample cell and analysis system
 [NASA-CASE-NPO-10233-1] c 74 N78-33913
 Method and apparatus for holding two separate metal pieces together for welding
 [NASA-CASE-GSC-12318-1] c 37 N80-23655
 Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
 [NASA-CASE-NPO-15227-1] c 37 N81-33482
 Scriber for silicon wafers
 [NASA-CASE-NPO-15539-1] c 37 N82-11469
 Liquid immersion apparatus for minute articles
 [NASA-CASE-MFS-25363-1] c 37 N82-12441
 Spray coating apparatus having a rotatable workpiece holder
 [NASA-CASE-ARC-11110-1] c 37 N82-24492
 Compression test apparatus
 [NASA-CASE-MSC-18723-1] c 35 N83-21312
 Holding fixture for a hot stamping press
 [NASA-CASE-GSC-12619-1] c 37 N84-12491
 Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
 [NASA-CASE-LAR-12881-1] c 27 N84-14323
 Method and apparatus for gripping uniaxial fibrous composite materials
 [NASA-CASE-LEW-13758-1] c 24 N84-27829
 Apparatus for mounting a field emission cathode
 [NASA-CASE-LEW-14108-1] c 33 N85-29149
 Laboratory glassware rack for seismic safety
 [NASA-CASE-ARC-11422-1] c 35 N86-20751
 Apparatus and method for inspecting a bearing ball
 [NASA-CASE-MFS-25833-1] c 35 N86-32698
 Active hold-down for heat treating
 [NASA-CASE-NPO-16892-1-CU] c 37 N87-14704

HOLE DISTRIBUTION (MECHANICS)

- Thermocouple installation
 [NASA-CASE-NPO-13540-1] c 35 N77-14409

HOLE MOBILITY

- Depositing semiconductor films utilizing a thermal gradient
 [NASA-CASE-XKS-04614] c 15 N69-21460

HOLLOW

- Dual membrane hollow fiber fuel cell and method of operating same
 [NASA-CASE-NPO-13732-1] c 44 N79-10513

HOLLOW CATHODES

- Hydrogen hollow cathode ion source
 [NASA-CASE-LEW-12940-1] c 72 N80-33186
 Hollow cathode apparatus
 [NASA-CASE-NPO-15560-1] c 33 N85-21491

HOLOGRAPHIC INTERFEROMETRY

- Interferometric angle monitor
 [NASA-CASE-GSC-12614-1] c 74 N83-32577
 Method of and apparatus for double-exposure holographic interferometry
 [NASA-CASE-MFS-25405-1] c 35 N84-22929

HOLOGRAPHY

- Focused image holography with extended sources Patent
 [NASA-CASE-ERC-10019] c 16 N71-15551
 Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
 [NASA-CASE-MFS-20074] c 16 N71-15565
 Recording and reconstructing focused image holograms Patent
 [NASA-CASE-ERC-10017] c 16 N71-15567

SUBJECT INDEX

- Method and means for recording and reconstructing holograms without use of a reference beam Patent
 [NASA-CASE-ERC-10020] c 16 N71-26154
 Multiple image storing system for high speed projectile holography
 [NASA-CASE-MFS-20596] c 14 N72-17324
 Holographic thin film analyzer
 [NASA-CASE-MFS-20823-1] c 16 N73-30476
 Method and apparatus for checking the stability of a setup for making reflection type holograms
 [NASA-CASE-MFS-21455-1] c 35 N74-15146
 Real time moving scene holographic camera system
 [NASA-CASE-MFS-21087-1] c 35 N74-17153
 Holography utilizing surface plasmon resonances
 [NASA-CASE-MFS-22040-1] c 35 N74-26946
 Holographic system for nondestructive testing
 [NASA-CASE-MFS-21704-1] c 35 N75-25124
 Real time, large volume, moving scene holographic camera system
 [NASA-CASE-MFS-22537-1] c 35 N75-27328
 Holographic motion picture camera with Doppler shift compensation
 [NASA-CASE-MFS-22517-1] c 35 N76-18402
 Optical process for producing classification maps from multispectral data
 [NASA-CASE-MSC-14472-1] c 43 N77-10584
- HOMING DEVICES**
 Location identification system
 [NASA-CASE-ERC-10324] c 07 N72-25173
- HONEYCOMB CORES**
 Method of making inflatable honeycomb Patent
 [NASA-CASE-XLA-03492] c 15 N71-22713
 Method of forming shapes from planar sheets of thermosetting materials
 [NASA-CASE-NPO-11036] c 15 N72-24522
 Honeycomb core structures of minimal surface tubule sections
 [NASA-CASE-ERC-10363] c 18 N72-25541
- HONEYCOMB STRUCTURES**
 Method for making a heat insulating and ablative structure
 [NASA-CASE-XMS-01108] c 15 N69-24322
 Inflatable honeycomb Patent
 [NASA-CASE-XLA-00204] c 32 N70-36536
 Fluid flow control valve Patent
 [NASA-CASE-XLE-00703] c 15 N71-15967
 Method and apparatus for making a heat insulating and ablative structure Patent
 [NASA-CASE-XMS-02009] c 33 N71-20834
 Honeycomb panel and method of making same Patent
 [NASA-CASE-XMF-01402] c 18 N71-21651
 Cryogenic thermal insulation Patent
 [NASA-CASE-XMF-05046] c 33 N71-28892
 Honeycomb panels formed of minimal surface periodic tubule layers
 [NASA-CASE-ERC-10364] c 18 N72-25540
 Bonding or repairing process
 [NASA-CASE-MSC-12357] c 15 N73-12489
 Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
 [NASA-CASE-MFS-21485-1] c 37 N74-25968
 Vacuum pressure molding technique
 [NASA-CASE-LAR-10073-1] c 37 N76-24575
 Honeycomb-laminate composite structure
 [NASA-CASE-ARC-10913-1] c 24 N78-15180
 Method of making a composite sandwich lattice structure
 [NASA-CASE-LAR-11898-2] c 24 N78-17149
 Low density bismaleimide-carbon microballoon composites
 [NASA-CASE-ARC-11040-1] c 24 N79-16915
- HOOP COLUMN ANTENNAS**
 Latching mechanism for deployable/re-stowable columns useful in satellite construction
 [NASA-CASE-LAR-13169-1] c 37 N86-25791
- HORIZON SCANNERS**
 Electromagnetic mirror drive system
 [NASA-CASE-XLA-03724] c 14 N69-27461
 Multi-lobe scan horizon sensor Patent
 [NASA-CASE-XGS-00809] c 21 N70-35427
 Attitude orientation of spin-stabilized space vehicles Patent
 [NASA-CASE-XLA-00281] c 21 N70-36943
 Amplifier clamping circuit for horizon scanner Patent
 [NASA-CASE-XGS-01784] c 10 N71-20782
 Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
 [NASA-CASE-XNP-06957] c 14 N71-21088
 Infrared horizon locator
 [NASA-CASE-LAR-10726-1] c 14 N73-20475
- HORIZONTAL SPACECRAFT LANDING**
 Variable-geometry winged reentry vehicle Patent
 [NASA-CASE-XLA-00241] c 31 N70-37986

HORIZONTAL TAIL SURFACES

Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043

HORN ANTENNAS

Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Parabolic reflector horn feed with spillover correction
Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Multi-purpose antenna employing dish reflector with
plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
Highly efficient antenna system using a corrugated horn
and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
Reflex feed system for dual frequency antenna with
frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278

HOSES

Self-contained, single-use hose and tubing cleaning
module
[NASA-CASE-MSC-20857-1] c 37 N87-17035

HOT CATHODES

Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889

HOT CORROSION

Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192

HOT PRESSING

Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491

HOT WORKING

Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

HOT-WIRE ANEMOMETERS

Metallic hot wire anemometer --- for high speed wind
tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
Method for making a hot wire anemometer and product
thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454

HOT-WIRE FLOWMETERS

Hot wire liquid level detector for cryogenic fluids
Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

HOUSINGS

Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
Universal environment package with sectional
component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
Cryogenic gyroscope housing --- with annular disks for
gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613

HOVERING

Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039

HUBBLE SPACE TELESCOPE

System for the measurement of ultra-low stray light levels
--- determining the adequacy of large space telescope
systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
Orbital maneuvering end effectors
[NASA-CASE-MFS-28161-1] c 37 N87-18817

HUBS

Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336

HUGONIOT EQUATION OF STATE

Determining particle density using known material
Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810

HULLS (STRUCTURES)

Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305

HUMAN BEINGS

Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

HUMAN BODY

Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Garments for controlling the temperature of the body
Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
Tilting table for ergometer and for other biomedical
devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Method and system for in vivo measurement of bone
tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737

HUMAN FACTORS ENGINEERING

Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341
Multiple circuit switch apparatus with improved pivot
actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Apparatus and method of inserting a microelectrode in
body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
Urine collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
Spectrally balanced chromatic landing approach lighting
system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618
Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620

HUMAN PERFORMANCE

Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015

HUMAN REACTIONS

Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114

HUMAN WASTES

Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
Absorbent product to absorb fluids --- for collection of
human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758

HUMIDITY

Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
Apparatus for supplying conditioned air at a substantially
constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583

HUMIDITY MEASUREMENT

A water-absorbing capacitor system for measuring
relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755

HYBRID CIRCUITS

Hermetically sealable package for hybrid solid-state
electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
Hybrid power semiconductor
[NASA-CASE-LEW-13922-1] c 33 N86-20672

HYBRID COMPUTERS

Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920

HYBRID PROPELLANTS

Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392

HYDRAULIC CONTROL

Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479

HYDRAULIC EQUIPMENT

Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
Mechanically limited, electrically operated hydraulic
valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
Filter regeneration systems --- a system for regenerating
a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
Fatigue testing a plurality of test specimens and
method
[NASA-CASE-MFS-28118-1] c 39 N86-32770
Passively activated prehensile digit for a robotic end
effector
[NASA-CASE-NPO-16766-1-CU] c 37 N87-14705

HYDRAULIC FLUIDS

Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790

HYDRAULIC JETS

Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398

HYDRAZINE ENGINES

Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510

HYDRAZINE NITROFORM

Hydrazinium nitroformate propellant with saturated
polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764

HYDRAZINES

Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
Solder flux which leaves corrosion-resistant coating
Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
Prevention of hydrogen embrittlement of high strength
steel by hydrazine compositions --- by adding potassium
hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203

HYDROCARBON COMBUSTION

In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452

HYDROCARBON FUEL PRODUCTION

Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261

HYDROCARBON FUELS

Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704

HYDROCARBONS

Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547
Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N87-18626

HYDROCHLORIC ACID

Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742

HYDROCHLORIDES

Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680

HYDRODYNAMICS

Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490

HYDROFOILS

Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305

HYDROFORMING

Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346

HYDROGEN

Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253

HYDROGEN ATOMS
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

HYDROGEN EMBRITTLEMENT

Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions --- by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203

HYDROGEN ENGINES

Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526

HYDROGEN FUELS

Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636

HYDROGEN IONS

Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186

HYDROGEN OXYGEN FUEL CELLS

Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044

HYDROGEN PEROXIDE

Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

HYDROGEN PRODUCTION

Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744

HYDROGENATION

Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127

HYDROLOGY

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

HYDROLYSIS

Hydrosulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743

HYDROSTATIC PRESSURE

Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803

HYDROSTATICS

Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486

HYDROXIDES

Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644

Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977

HYDROXYL COMPOUNDS

Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

HYGIENE

Urine collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

HYGROMETERS

Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212

HYGROSCOPICITY

Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934

HYPERFINE STRUCTURE

Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142

HYPERGOLIC ROCKET PROPELLANTS

Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634

HYPERSONIC AIRCRAFT

Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

HYPERSONIC FLIGHT

Hyperonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

HYPERSONIC FLOW

Hyperonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

HYPERSONIC SPEED

Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144

HYPERSONIC VEHICLES

Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015

HYPERSONIC WIND TUNNELS

Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

HYPERHERMIA

Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

HYPERVELOCITY GUNS

Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

HYPERVELOCITY IMPACT

Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130

HYPERVELOCITY PROJECTILES

Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324

HYPERVELOCITY WIND TUNNELS

Hyperonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hyperonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

HYSTERESIS

Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

ICE FORMATION

Ice detector
[NASA-CASE-LAR-13403-1] c 03 N86-24673

IDENTIFYING

Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

IGNITERS

Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Remote fire stack igniter --- with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

IGNITION

Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413

IGNITION LIMITS

High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518

IGNITION SYSTEMS

Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Ignition system for monopropellant combustion devices
Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385

IGNITION TEMPERATURE

Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629

ILLUMINATORS

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
Illumination system including a virtual light source
Patent
[NASA-CASE-HQN-10781] c 23 N71-30292

IMAGE CONTRAST

Video signal enhancement system with dynamic range
compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
Method and apparatus for producing an image from a
transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932

IMAGE CONVERTERS

Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841

IMAGE CORRELATORS

Multiple hologram recording and readout system
Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Azimuth correlator for real-time synthetic aperture radar
image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
Servomechanism for Doppler shift compensation in
optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348

IMAGE DISSECTOR TUBES

Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935

IMAGE ENHANCEMENT

Method and means for an improved electron beam
scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
Physical correction filter for improving the optical quality
of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
Method of obtaining intensified image from developed
photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

IMAGE FILTERS

Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
Physical correction filter for improving the optical quality
of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706

IMAGE INTENSIFIERS

Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
Method of obtaining intensified image from developed
photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

IMAGE PROCESSING

Azimuth correlator for real-time synthetic aperture radar
image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
Programmable pipelined image processor
[NASA-CASE-NPO-16461-1CU] c 60 N86-23283

Photodetector array with image plane processing
[NASA-CASE-LAR-13391-1] c 74 N86-33137

IMAGE RESOLUTION

Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

IMAGE ROTATION

Rhomboid prism pair for rotating the plane of parallel
light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

IMAGE TUBES

Image tube --- deriving electron beam replica of image
[NASA-CASE-GSC-11602-1] c 33 N74-21850
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893

IMAGES

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732

IMAGING TECHNIQUES

Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
Method and apparatus for eliminating coherent noise
in a coherent energy imaging system without destroying
spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
Method and apparatus for producing an image from a
transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
Full color hybrid display for aircraft simulators --- landing
aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Chromatically corrected virtual image display --- lens
design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
Multispectral imaging and analysis system --- using
charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
System and method for obtaining wide screen Schlieren
photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
Low intensity X-ray and gamma-ray imaging device ---
fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Diffraction grating configuration for X-ray and ultraviolet
focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
System for forming a quadrified image comprising
angularly related fields of view of a three dimensional
object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
Time delay and integration detectors using charge
transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
Image readout device with electronically variable spatial
resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
Multibeam single frequency synthetic aperture radar
processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768

Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
Three-dimensional and tomographic imaging device for
X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281
Method and apparatus for Delta Kappa synthetic
aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 74 N86-29650

Photodetector array with image plane processing
[NASA-CASE-LAR-13391-1] c 74 N86-33137

IMIDES

Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
High performance mixed bisimide resins and composites
based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
Fire and heat resistant laminating resins based on
maleimido substituted aromatic cyclotriphosphazene
polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909

IMINES

Synthesis of polymeric schiff bases by schiff-base
exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
Direct synthesis of polymeric schiff bases from two
amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
Synthesis of polymeric schiff bases by reaction of acetals
and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
Aromatic diamine-aromatic dialdehyde high molecular
weight Schiff base polymers prepared in a monofunctional
Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

IMMOBILIZATION

Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
Active hold-down for heat treating
[NASA-CASE-NPO-16892-1CU] c 37 N87-14704

IMPACT

Impact energy absorbing system utilizing fractureable
material
[NASA-CASE-NPO-10671] c 15 N72-20443
Cosmic dust or other similar outer space particles impact
location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331

IMPACT ACCELERATION

Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

IMPACT DAMAGE

Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450

IMPACT LOADS

Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225

IMPACT RESISTANCE

Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188

IMPACT STRENGTH

High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625

IMPACT TESTING MACHINES

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807

IMPACT TESTS

Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807

IMPACT TOLERANCES

High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420

IMPEDANCE

Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887

IMPEDANCE MATCHING

Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334

Reflectometer for receiver input impedance match measurement Patent
 [NASA-CASE-XNP-10843] c 07 N71-11267
 Radio frequency coaxial high pass filter Patent
 [NASA-CASE-XGS-01418] c 09 N71-23573
 Triaxial antenna Patent
 [NASA-CASE-XGS-02290] c 07 N71-28809
IMPEDANCE MEASUREMENT
 High impedance measuring apparatus Patent
 [NASA-CASE-XMS-08589-1] c 09 N71-20569
 Apparatus for measuring semiconductor device resistance
 [NASA-CASE-NPO-14424-1] c 33 N80-32650
IMPLANTATION
 Telemeter adaptable for implanting in an animal Patent
 [NASA-CASE-XAC-05706] c 05 N71-12342
 Magnetic electrical connectors for biomedical percutaneous implants
 [NASA-CASE-KSC-11030-1] c 52 N77-25772
 Prosthetic occlusive device for an internal passageway
 [NASA-CASE-MFS-25740-1] c 52 N84-11744
IMPLANTED ELECTRODES (BIOLOGY)
 Pocket ECG electrode
 [NASA-CASE-ARC-11258-1] c 52 N80-33081
 Subcutaneous electrode structure
 [NASA-CASE-ARC-11117-1] c 52 N81-14612
 Implantable electrical device
 [NASA-CASE-GSC-12560-1] c 52 N82-29863
IMPLOSIONS
 Hypervelocity gun Patent
 [NASA-CASE-XAC-05902] c 11 N71-18578
IMPREGNATING
 Composite lamination method
 [NASA-CASE-LAR-12019-1] c 24 N78-17150
 Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
 [NASA-CASE-NPO-13530-1] c 25 N81-17187
 High temperature silicon carbide impregnated insulating fabrics
 [NASA-CASE-MSC-18832-1] c 27 N83-18908
IMPULSE GENERATORS
 Percutaneous connector device
 [NASA-CASE-KSC-10849-1] c 52 N77-14738
IMPURITIES
 Method of making impurity-type semiconductor electrical contacts Patent
 [NASA-CASE-XMF-01016] c 26 N71-17818
 Method of mitigating titanium impurities effects in p-type silicon material for solar cells
 [NASA-CASE-NPO-14635-1] c 44 N80-24741
 Electromigration process for the purification of molten silicon during crystal growth
 [NASA-CASE-NPO-14831-1] c 76 N82-30105
 Advanced vapor supply manifold
 [NASA-CASE-LAR-13259-1] c 37 N86-20800
IN-FLIGHT MONITORING
 System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
 [NASA-CASE-FRC-11024-1] c 02 N80-28300
INCIDENCE
 Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
 [NASA-CASE-MFS-22409-2] c 74 N78-15880
INCIDENT RADIATION
 Solar cell assembly --- for use under high intensity illumination
 [NASA-CASE-LEW-11549-1] c 44 N77-19571
INCLINATION
 Hingeless helicopter rotor with improved stability
 [NASA-CASE-ARC-10807-1] c 05 N77-17029
INCOHERENT SCATTERING
 Rapidly pulsed, high intensity, incoherent light source
 [NASA-CASE-XLE-2529-3] c 33 N74-20859
INDICATING INSTRUMENTS
 Missile stage separation indicator and stage initiator Patent
 [NASA-CASE-XLA-00791] c 03 N70-39930
 Inductive liquid level detection system Patent
 [NASA-CASE-XLE-01609] c 14 N71-10500
 Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
 [NASA-CASE-MFS-13686] c 15 N71-18132
 Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
 [NASA-CASE-MFS-13130] c 10 N72-17173
 Fatigue failure load indicator
 [NASA-CASE-LAR-12027-1] c 39 N79-22537
 System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
 [NASA-CASE-FRC-11005-1] c 06 N82-16075

Film advance indicator
 [NASA-CASE-LAR-12474-1] c 35 N82-26628
 Adjustable indicating device for load position
 [NASA-CASE-MFS-28008-1] c 35 N85-20300
 Fluid leak indicator
 [NASA-CASE-MSC-20783-1] c 35 N86-20756
INDIUM ALLOYS
 Method for attaching a fused-quartz mirror to a conductive metal substrate
 [NASA-CASE-MFS-23405-1] c 26 N77-29260
 Solar cell collector
 [NASA-CASE-LEW-12552-1] c 44 N78-25527
INDIUM COMPOUNDS
 Liquid crystal light valve structures
 [NASA-CASE-MSC-20036-1] c 76 N85-33826
INDUCTANCE
 Current dependent filter inductance
 [NASA-CASE-ERC-10139] c 09 N72-17154
 Inductance device with vacuum insulation
 [NASA-CASE-LEW-10330-1] c 09 N72-27226
 Direct reading inductance meter
 [NASA-CASE-NPO-13792-1] c 35 N77-32455
INDUCTION HEATING
 Induction furnace with perforated tungsten foil shielding Patent
 [NASA-CASE-XLE-04026] c 14 N71-23267
 Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
 [NASA-CASE-NPO-14297-1] c 33 N81-19389
 One-step dual purpose joining technique
 [NASA-CASE-LAR-12595-1] c 33 N82-26571
 Induction heating gun
 [NASA-CASE-LAR-13181-1] c 31 N85-29083
 A method of estimating the molecular weight of polymeric materials
 [NASA-CASE-LAR-13212-1] c 27 N87-10206
INDUCTION MOTORS
 Induction motor control system with voltage controlled oscillator circuit
 [NASA-CASE-MFS-21465-1] c 10 N73-32145
 Variable frequency inverter for ac induction motors with torque, speed and braking control
 [NASA-CASE-MFS-22088-1] c 33 N75-15874
 Power factor control system for AC induction motors
 [NASA-CASE-MFS-23280-1] c 33 N78-10376
 Three phase power factor controller
 [NASA-CASE-MFS-25535-1] c 33 N81-12330
 Power factor control system for ac induction motors
 [NASA-CASE-MFS-23988-1] c 33 N81-27395
 Motor power factor controller with a reduced voltage starter
 [NASA-CASE-MFS-25586-1] c 33 N82-11360
 Magnetic field control --- electromechanical torquing device
 [NASA-CASE-MFS-23828-1] c 33 N82-26569
 Electrical power generating system
 [NASA-CASE-MFS-25302-1] c 33 N83-28319
 Triac failure detector
 [NASA-CASE-MFS-25607-1] c 33 N83-34190
 Control system for an induction motor with energy recovery
 [NASA-CASE-MFS-25477-1] c 33 N84-14424
 Three phase power factor controller
 [NASA-CASE-MFS-25535-2] c 33 N84-22885
 Motor power control circuit for ac induction motors
 [NASA-CASE-MFS-25323-1] c 33 N84-22886
 Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
 [NASA-CASE-MFS-25302-2] c 33 N84-33660
 Three-phase power factor controller with induced EMF sensing
 [NASA-CASE-MFS-25852-1] c 33 N84-33661
 Solar powered actuator with continuously variable auxiliary power control
 [NASA-CASE-MFS-25637-1] c 44 N85-21769
 Power control for ac motor
 [NASA-CASE-MFS-25861-1] c 33 N85-22877
INDUCTORS
 Inductive liquid level detection system Patent
 [NASA-CASE-XLE-01609] c 14 N71-10500
 Vacuum deposition apparatus Patent
 [NASA-CASE-XMF-01667] c 15 N71-17647
 Constant frequency output two stage induction machine systems Patent
 [NASA-CASE-ERC-10065] c 09 N71-27364
 Elimination of current spikes in buck power converters
 [NASA-CASE-NPO-14505-1] c 33 N81-19393
INDUSTRIAL PLANTS
 Process for making diamonds
 [NASA-CASE-MFS-20698-2] c 15 N73-19457
INDUSTRIAL WASTES
 Process of forming catalytic surfaces for wet oxidation reactions
 [NASA-CASE-MSC-14831-1] c 25 N78-10225

Process for purification of waste water produced by a Kraft process pulp and paper mill
 [NASA-CASE-NPO-13847-2] c 85 N79-17747
INERT ATMOSPHERE
 Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
 [NASA-CASE-MFS-23250-1] c 35 N82-11432
INERTIA
 Bidirectional step torque filter with zero backlash characteristic Patent
 [NASA-CASE-XGS-04227] c 15 N71-21744
INERTIAL CONFINEMENT FUSION
 Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
 [NASA-CASE-NPO-14596-3] c 31 N83-31896
 Contactless pellet fabrication
 [NASA-CASE-NPO-15592-1] c 71 N84-16940
INERTIAL GUIDANCE
 Hermetic sealed vibration damper Patent
 [NASA-CASE-MSC-10959] c 15 N71-26243
INERTIAL NAVIGATION
 Autonomous navigation system --- gyroscopic pendulum for air navigation
 [NASA-CASE-ARC-11257-1] c 04 N81-21047
INERTIAL PLATFORMS
 Clamping assembly for inertial components Patent
 [NASA-CASE-XMS-02184] c 15 N71-20813
 Azimuth laying system Patent
 [NASA-CASE-XMF-01669] c 21 N71-23289
 Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
 [NASA-CASE-NPO-13044-1] c 35 N74-15094
 Attitude control system
 [NASA-CASE-MFS-22787-1] c 15 N77-10113
 Rim inertial measuring system
 [NASA-CASE-LAR-12052-1] c 18 N81-29152
INERTIAL REFERENCE SYSTEMS
 Attitude control system Patent
 [NASA-CASE-XGS-04393] c 21 N71-14159
 Inertial reference apparatus Patent
 [NASA-CASE-XAC-03107] c 23 N71-16098
INFLATABLE SPACECRAFT
 Thermal control of space vehicles Patent
 [NASA-CASE-XLA-01291] c 33 N70-36617
 Passive communication satellite Patent
 [NASA-CASE-XLA-00210] c 30 N70-40309
 Rotating mandrel for assembly of inflatable devices Patent
 [NASA-CASE-XLA-04143] c 15 N71-17687
 Method of making an inflatable panel Patent
 [NASA-CASE-XLA-03497] c 15 N71-23052
 Orbital escape device Patent
 [NASA-CASE-XMS-06162] c 31 N71-28851
INFLATABLE STRUCTURES
 Aeroflexible structures
 [NASA-CASE-XLA-06095] c 01 N69-39981
 Life raft Patent
 [NASA-CASE-XMS-00863] c 05 N70-34857
 Life preserver Patent
 [NASA-CASE-XMS-00864] c 05 N70-36493
 Inflatable honeycomb Patent
 [NASA-CASE-XLA-00204] c 32 N70-36536
 Inflatable radar reflector unit Patent
 [NASA-CASE-XMS-00893] c 07 N70-40063
 Excessive temperature warning system Patent
 [NASA-CASE-XLA-01926] c 14 N71-15620
 Inflation system for balloon type satellites Patent
 [NASA-CASE-XGS-03351] c 31 N71-16081
 Aerodynamic protection for space flight vehicles Patent
 [NASA-CASE-XNP-02507] c 31 N71-17679
 Self supporting space vehicle Patent
 [NASA-CASE-XLA-00117] c 31 N71-17680
 Conforming polisher for aspheric surface of revolution Patent
 [NASA-CASE-XGS-02884] c 15 N71-22705
 Method of making inflatable honeycomb Patent
 [NASA-CASE-XLA-03492] c 15 N71-22713
 Collapsible antenna boom and transmission line Patent
 [NASA-CASE-MFS-20068] c 07 N71-27191
 Inflatable tether Patent
 [NASA-CASE-XMS-10993] c 15 N71-28936
 Inflatable transpiration cooled nozzle
 [NASA-CASE-MFS-20619] c 28 N72-11708
 Modification of one man life raft
 [NASA-CASE-LAR-10241-1] c 54 N74-14845
 Emergency space-suit helmet
 [NASA-CASE-MSC-10954-1] c 54 N78-18761
 Pressure control valve --- inflating flexible bladders
 [NASA-CASE-ARC-11251-1] c 37 N81-17433
 Pneumatic inflatable end effector
 [NASA-CASE-MFS-23696-1] c 54 N81-26718

- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- INFORMATION RETRIEVAL**
Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- INFRARED DETECTORS**
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
Multispectral scanner optical system
[NASA-CASE-MS-18255-1] c 74 N80-33210
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- INFRARED INSTRUMENTS**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- INFRARED INTERFEROMETERS**
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
- INFRARED LASERS**
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- INFRARED PHOTOMETRY**
Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1CU] c 76 N87-15883
- INFRARED RADIATION**
High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127
- INFRARED REFLECTION**
Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- INFRARED SCANNERS**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- INFRARED SPECTRA**
Diatomic infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
Gas particle radiator
[NASA-CASE-LEW-14297-1] c 35 N87-15452
- INFRARED SPECTROMETERS**
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- INFRARED SPECTROSCOPY**
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- INFRARED TELESCOPES**
Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N86-20125
- INFRASONIC FREQUENCIES**
Resonant infrasonic gauging apparatus
[NASA-CASE-MS-11847-1] c 14 N72-11363
- INHIBITORS**
Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- INITIATORS (EXPLOSIVES)**
Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- INJECTION**
Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- INJECTION LASERS**
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- INJECTORS**
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
- INKS**
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
- INLET FLOW**
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- INLET NOZZLES**
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- INLET PRESSURE**
Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
- INOCULATION**
Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
- INORGANIC COATINGS**
Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- INORGANIC COMPOUNDS**
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- INORGANIC PEROXIDES**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
- INPUT**
Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- INPUT/OUTPUT ROUTINES**
Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345
- INSERTION**
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- INSERTION LOSS**
Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- INSERTS**
Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736
- INSPECTION**
Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N86-32698
- INSTALLING**
Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MS-18934-3] c 24 N82-26387
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- INSTRUMENT COMPENSATION**
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138
- INSTRUMENT ERRORS**
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- INSTRUMENT FLIGHT RULES**
Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- INSTRUMENT ORIENTATION**
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- INSTRUMENT PACKAGES**
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- INSTRUMENTS**
Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
Scientific experiment flexible mount
[NASA-CASE-MS-12372-1] c 31 N72-25842

Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424

Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425

INSULATED STRUCTURES
Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935

INSULATION
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193

Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998

Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444

Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226

Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MS-C-14339-1] c 05 N75-24716

Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376

Two-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-1] c 27 N76-22377

Three-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-2] c 27 N76-23426

Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807

INSULATORS
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574

High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302

Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763

INTAKE SYSTEMS
Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154

Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456

Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278

Reciprocating engines
[NASA-CASE-MS-C-16239-1] c 37 N81-32510

Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

Solid sorbent air sampler
[NASA-CASE-MS-C-20653-1] c 35 N86-26595

INTEGRATED CIRCUITS
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897

Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717

Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464

Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205

Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MS-C-13907-1] c 10 N73-26230

Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112

Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951

Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638

Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MS-C-14240-1] c 33 N75-14957

Integrable power gyrator --- with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428

Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395

Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321

Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332

Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542

Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884

Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187

Cross-contact chain
[NASA-CASE-NPO-16784-1] c 33 N87-10231

Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594

INTEGRATORS
Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520

Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084

Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315

Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669

High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596

Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227

INTERFACES
LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202

Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793

Expandable pallet for space station interface attachments
[NASA-CASE-MS-C-21117-1] c 18 N87-18597

INTERFACIAL TENSION
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

INTERFEROMETERS
Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627

Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694

Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170

Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215

Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446

Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463

High resolution Fourier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490

Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348

Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563

Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888

Interferometer --- high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963

Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448

Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949

Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577

INTERFEROMETRY
Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391

Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282

Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

INTERLAYERS
Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

INTERMEDIATE FREQUENCY AMPLIFIERS
Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321

INTERMETALLICS
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752

Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437

Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267

Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482

INTERNAL COMBUSTION ENGINES
Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MS-C-12139-1] c 28 N71-14058

Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772

System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457

Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497

Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526

Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345

Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374

Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129

Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MS-C-18807-1] c 37 N83-36483

Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559

Composite piston
[NASA-CASE-LAR-13435-1] c 37 N87-15464

INTERPLANETARY SPACE
Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344

RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171

INTERPLANETARY SPACECRAFT
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075

INTERPLANETARY TRAJECTORIES
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394

INTRACRANIAL PRESSURE
Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691

INTRAOCULAR PRESSURE
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684

Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690

INTRAVEHICULAR ACTIVITY
Space suit
[NASA-CASE-MS-C-12609-1] c 05 N73-32012

INTRAVENOUS PROCEDURES
Bio-medical flow sensor --- intravenous procedures
[NASA-CASE-MS-C-18761-1] c 52 N83-27577

INTRUSION
Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559

INVENTIONS
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

Inductive energy for rapid strain gauge attachment
[NASA-CASE-LAR-13237-1] c 35 N86-24960

INVERTED CONVERTERS (DC TO AC)
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874

Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542

Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494

Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673

INVERTERS

- Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
- Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
- Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
- Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227

IODINE

- Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784

IODINE COMPOUNDS

- Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016

IODINE ISOTOPES

- Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383
- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379

ION ACCELERATORS

- Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
- Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959

ION BEAMS

- Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
- Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
- Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28585
- Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N86-32556
- Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875

ION CHARGE

- Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325

ION CONCENTRATION

- Deposition of alloy films --- on irregular shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270

ION CURRENTS

- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

ION CYCLOTRON RADIATION

- Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492

ION DENSITY (CONCENTRATION)

- Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

ION ENGINES

- Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
- High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
- Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
- Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
- Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
- Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
- Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
- Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699
- Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
- Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276

ION EXCHANGE MEMBRANE ELECTROLYTES

- Method of making membranes
[NASA-CASE-NXP-04264] c 03 N69-21337
- Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
- Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
- Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680

ION EXCHANGE RESINS

- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076

ION EXCHANGING

- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

ION EXTRACTION

- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959

ION IMPLANTATION

- Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360

ION IRRADIATION

- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N86-32556

ION MOTION

- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016

ION PLATING

- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695

ION PROBES

- Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863

ION PROPULSION

- Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
- Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
- Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
- Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822
- Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
- Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
- Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
- Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
- Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
- Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
- Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256

ION PUMPS

- Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406

ION SOURCES

- Focusing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
- Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
- High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
- Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186

ION TRAPS (INSTRUMENTATION)

Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

IONIC MOBILITY

Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

IONIZATION CHAMBERS

Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991

Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464

IONIZATION GAGES

Ionization vacuum gauge Patent
[NASA-CASE-XNP-00646] c 14 N70-35666

Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090

Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464

Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391

IONIZATION POTENTIALS

Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678

Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374

IONIZED GASES

Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884

Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641

Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148

Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491

IONIZERS

Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MS-C-10960-1] c 03 N71-24718

Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310

Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184

IONIZING RADIATION

High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201

Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126

Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N86-24840

IONOSPHERIC DISTURBANCES

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

IONOSPHERIC ELECTRON DENSITY

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

IONOSPHERIC SOUNDING

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

IONS

Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

IRIDIUM

Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346

IRISES (MECHANICAL APERTURES)

Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170

Thin film microwave iris
[NASA-CASE-LAR-10511-1] c 09 N72-29172

IRON

Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721

IRON ALLOYS

Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182

Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271

High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192

IRON CHLORIDES

Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205

IRON COMPOUNDS

Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

IRRADIATION

Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332

Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

Method of measuring field funneling and range straggling in semiconductor charge-collecting junctions
[NASA-CASE-NPO-16584-1-CU] c 76 N86-25269

IRRIGATION

Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

ISOLATION

High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146

ISOLATORS

Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402

Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

ISOPROPYL ALCOHOL

Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102

ISOTHERMAL LAYERS

Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353

ISOTHERMAL PROCESSES

Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

ISOTOPE SEPARATION

Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1-CU] c 25 N87-18625

J

JET AIRCRAFT

Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

JET AIRCRAFT NOISE

Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218

Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117

Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

JET AMPLIFIERS

Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466

Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741

JET BLAST EFFECTS

Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874

JET CONTROL

Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

JET ENGINES

Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563

Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493

Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515

Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117

The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154

Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544

Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749

JET EXHAUST

Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490

Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089

Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

JET FLAPS

Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

JET FLOW

Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292

JET MIXING FLOW

Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199

JET NOZZLES

Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629

Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093

JET PROPULSION

Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121

JET PUMPS

Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

JET THRUST

Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582

Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583

Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039

JETTISON SYSTEMS

Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675

Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853

Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

JIGS

Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

JOINING

Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

JOINTS (ANATOMY)

Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194

Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195

Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623

- Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
- Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
- JOINTS (JUNCTIONS)**
- Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
- Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
- Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
- Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
- Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128
- Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
- Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
- Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
- Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
- Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
- Fluid leak indicator
[NASA-CASE-MSC-20783-1] c 35 N86-20756
- Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630
- Elbow and knee joint for hard space suits
[NASA-CASE-ARC-11610-1] c 54 N86-28619
- Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620
- Shoulder and hip joints for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N86-29507
- Preload space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N86-31630
- Foldable self-erecting joint
[NASA-CASE-MSC-20635-1] c 18 N87-14373
- JOSEPHSON JUNCTIONS**
- Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

JOULE-THOMSON EFFECT

- Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897

JOURNAL BEARINGS

- Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00478] c 15 N70-38620
- Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
- Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
- Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
- Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
- Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606

JUNCTION DIODES

- Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
- Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399

JUNCTION TRANSISTORS

- Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
- Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- Floating emitter solar cell junction transistor
[NASA-CASE-NPO-16467-1-CU] c 33 N86-24908

K**KETONES**

- Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462

KEYING

- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114

KIDNEY DISEASES

- Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

KIDNEYS

- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913

KINETIC ENERGY

- Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
- Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335

KINETIC FRICTION

- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413

KINETICS

- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

KNEE (ANATOMY)

- Elbow and knee joint for hard space suits
[NASA-CASE-ARC-11610-1] c 54 N86-28619

KRAFT PROCESS (WOODPULP)

- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

L**LABORATORY EQUIPMENT**

- Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

- Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
- Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
- Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
- Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
- Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493
- The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N86-20751
- Multi-path peristaltic pump
[NASA-CASE-MSC-20907-1] c 37 N87-18818

LACQUERS

- Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267

LADDERS

- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974

LAMINAR BOUNDARY LAYER

- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535

LAMINAR FLOW

- Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
- Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

LAMINAR FLOW AIRFOILS

- Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793

LAMINATES

- Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
- Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331
- Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

- Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
- Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364
- High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561
- Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416
- LANDFORMS**
- Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
- LANDING AIDS**
- Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
- Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- LANDING GEAR**
- Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
- Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
- Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
- Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
- Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
- Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
- LANDING MODULES**
- Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
- LANDING SIMULATION**
- Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
- LANTHANUM COMPOUNDS**
- Stabilized lanthanum sulphur compounds --- thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- LARGE SCALE INTEGRATION**
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594
- LARGE SPACE STRUCTURES**
- Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
- Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867
- Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
- Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791
- Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N86-31630
- Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N87-14413
- Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259
- Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N87-15260
- LASER ALTIMETERS**
- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- LASER APPLICATIONS**
- High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
- Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553

- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 33 N86-19516
- Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N86-20778
- Discharge cell for optical galvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 35 N86-25753
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1-CU] c 25 N87-18625
- LASER CAVITIES**
- Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- LASER DOPPLER VELOCIMETERS**
- Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- Optical scanner --- laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866
- Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
- Laser Doppler velocity simulator --- to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321
- Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216
- LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154
- Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N86-24978
- Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N87-14669
- Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N87-17026
- Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761

LASER DRILLING

- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- LASER FUSION**
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- LASER GUIDANCE**
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- LASER GYROSCOPES**
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- LASER HEATING**
- Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- LASER INTERFEROMETRY**
- Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- LASER MATERIALS**
- Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
- LASER MODE LOCKING**
- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Length controlled stabilized mode-lock Nd:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- LASER MODES**
- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- LASER OUTPUTS**
- Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
- Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
- Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- Length controlled stabilized mode-lock Nd:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499

- Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
- Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929
- Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N86-20778
- Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N87-17026
- LASER PLASMAS**
Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- LASER PUMPING**
Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- LASER RANGE FINDERS**
Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- Laser ranging and video display system
[NASA-CASE-MSC-20870-1] c 36 N86-24977
- LASER RANGER/TRACKER**
Method and apparatus for aligning a laser beam projector
Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- LASER SPECTROMETERS**
Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N86-20777
- LASER SPECTROSCOPY**
Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- LASER WINDOWS**
Optical scanner --- laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866
- LASERS**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
- Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
- A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929
- Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N86-20780
- LASING**
Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1-CU] c 25 N87-18625
- LATCHES**
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
- Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897
- Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162
- Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903
- Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
- Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
- CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
- Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
- Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991
- Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613
- Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791
- LATERAL CONTROL**
Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
- Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
- High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
- Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
- Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985
- Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700
- LATERAL STABILITY**
Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- LATEX**
Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- LATHES**
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
- LAUNCH ESCAPE SYSTEMS**
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
- Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
- LAUNCH VEHICLE CONFIGURATIONS**
Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- LAUNCH VEHICLES**
A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
- Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787
- LAUNCHERS**
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469
- LAUNCHING PADS**
Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
- Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- LAY-UP**
Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- LAYERS**
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
- LEACHING**
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- Infusion extractor
[NASA-CASE-MSC-20761-1] c 37 N87-15465
- LEAD (METAL)**
Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- LEAD SULFIDES**
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- LEAD TELLURIDES**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- LEADING EDGE FLAPS**
Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
- Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985
- LEADING EDGES**
Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
- Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
- LEAKAGE**
Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
- Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896

- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
- Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- Fluid leak indicator
[NASA-CASE-MSC-20783-1] c 35 N86-20756
- Self-compensating solenoid valve
[NASA-CASE-ARC-11620-1] c 37 N86-21859
- Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736
- LEG (ANATOMY)**
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
- Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112
- LENS DESIGN**
- Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
- LENSES**
- High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N86-24978
- Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N87-17026
- LENTICULAR BODIES**
- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- LEVEL (HORIZONTAL)**
- Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- LEVEL (QUANTITY)**
- Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- LEVELING**
- Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
- Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
- LEVITATION**
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- LEVITATION MELTING**
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- LIFE (DURABILITY)**
- Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251
- LIFE DETECTORS**
- Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
- LIFE RAFTS**
- Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
- Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
- LIFE SUPPORT SYSTEMS**
- Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
- Foreshortened convolute section for a pressurized suit
[NASA-CASE-XMS-09637-1] c 05 N71-24730
- Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
- Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
- Life support system
[NASA-CASE-MSC-12411-1] c 05 N72-20096
- Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
- Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
- Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- LIFT**
- Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- LIFT DEVICES**
- Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
- Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
- LIFT DRAG RATIO**
- Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551
- Over-the-wing propeller
[NASA-CASE-LAR-13134-2] c 07 N87-16828
- LIFTING BODIES**
- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
- Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264
- LIFTING REENTRY VEHICLES**
- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- LIFTING ROTORS**
- High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N87-14282
- LIGANDS**
- Carboranyl-methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- LIGHT (VISIBLE RADIATION)**
- Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
- Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
- Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- LIGHT AIRCRAFT**
- Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- LIGHT BEAMS**
- Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355
- LIGHT EMITTING DIODES**
- Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N86-20780
- LIGHT GAS GUNS**
- Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
- LIGHT MODULATION**
- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- Lamp modulator
[NASA-CASE-KSC-10565] c 09 N72-25250
- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900
- LIGHT SCATTERING**
- The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874

LIGHT SCATTERING METERS

System for the measurement of ultra-low stray light levels
--- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

LIGHT SOURCES

Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
Very high intensity light source using a cathode ray tube --- electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941

LIGHT TRANSMISSION

Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
Transmitting and reflecting diffuser --- for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750

LIGHT VALVES

Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647

LIGHTING EQUIPMENT

Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315

LIGHTNING

Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
Lightning discharge protection rod
[NASA-CASE-LAR-13470-1] c 03 N86-26296

LIMBS (ANATOMY)

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772

Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578

LIMITER CIRCUITS

Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333

LINE SPECTRA

Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015

LINEAR ACCELERATORS

Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962

LINEAR ARRAYS

Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N86-20780

LINEAR CIRCUITS

Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679

LINEAR INTEGRATED CIRCUITS

Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590

LINEAR POLARIZATION

Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647

LINEAR PROGRAMMING

Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679

LINEAR RECEIVERS

Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233

LINEAR SYSTEMS

Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337

LINEARITY

Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71-NPO-15494-2] c 35 N85-34373
Universal clamp
[NASA-CASE-MSC-20549-1] c 37 N86-19612
Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673
Linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-2] c 33 N86-21742
Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N86-25478

LININGS

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
Multi-path peristaltic pump
[NASA-CASE-MSC-20907-1] c 37 N87-18818

LINKAGES

Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613

LIQUEFACTION

Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

LIQUID ATOMIZATION

Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406

LIQUID BEARINGS

High speed hybrid bearing comprising a fluid bearing and a rolling bearing convected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359

LIQUID CHROMATOGRAPHY

Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431

LIQUID COOLING

Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

LIQUID CRYSTALS
Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535

LIQUID FILLED SHELLS
Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265

LIQUID FLOW
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952
Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378
System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
Degassifying and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930

LIQUID HELIUM

- Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
- Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- Stabilization of He₂(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287

LIQUID HYDROGEN

- Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
- Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744

LIQUID INJECTION

- Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
- Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
- Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433

LIQUID LASERS

- Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343

LIQUID LEVELS

- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907

LIQUID METALS

- Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
- Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
- Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
- Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018
- Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027

LIQUID NITROGEN

- Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484

LIQUID OXYGEN

- Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
- Oxygen chemisorption cryogenic refrigerator
[NASA-CASE-NPO-16734-1-CU] c 31 N86-27467
- Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420

LIQUID PHASES

- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975

- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N86-20721

LIQUID PROPELLANT ROCKET ENGINES

- Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
- Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
- Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
- Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
- Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
- Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008

LIQUID ROCKET PROPELLANTS

- Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
- Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
- Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
- High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
- High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
- Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
- Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
- Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
- Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
- Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
- Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420

LIQUID SLOSHING

- Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
- Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
- Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
- Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387

LIQUID SODIUM

- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494

LIQUID-GAS MIXTURES

- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
- Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297

- Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
- Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
- Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269

LIQUID-VAPOR INTERFACES

- Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781

LIQUIDS

- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
- Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
- Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911
- Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
- Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879
- Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466
- Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993

LITHIUM

- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875

LITHIUM COMPOUNDS

- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

LOAD DISTRIBUTION (FORCES)

- Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
- Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
- Device for use in loading tension members --- characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
- Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629

LOAD TESTING MACHINES

- Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
- Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841

LOAD TESTS

- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N86-32770

LOADING OPERATIONS

- Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617

Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722

LOADS (FORCES)

Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466

Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813

Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052

Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441

Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191

Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490

Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531

Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136

Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432

Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959

Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451

Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288

Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463

Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941

Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129

Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367

Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499

Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300

Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947

Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375

Universal clamp
[NASA-CASE-MSC-20549-1] c 37 N86-19612

LOCAL AREA NETWORKS

Local area network with fault-checking, priorities and redundant backup
[NASA-CASE-NPO-16949-1-CU] c 62 N87-19021

LOCATES SYSTEM

Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110

Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250

LOCKING

Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927

Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676

Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336

Variable length strut with longitudinal compliance and locking capability
[NASA-CASE-MFS-25907-1] c 37 N85-34401

Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 37 N86-20789

Elbow and knee joint for hard space suits
[NASA-CASE-ARC-11610-1] c 54 N86-28619

Locking hinge
[NASA-CASE-MSC-21056-1] c 18 N87-18595

LOCKS (FASTENERS)

Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829

Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537

Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928

Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935

Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914

Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737

LOCOMOTION

Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380

Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746

Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119

Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

LOGARITHMIC RECEIVERS

Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

LOGARITHMS

Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173

LOGIC CIRCUITS

A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148

Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502

Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423

Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125

Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494

Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505

AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910

Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579

Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602

Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751

Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772

Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650

BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890

Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000

Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103

Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374

Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236

Logical function generator
[NASA-CASE-XLA-05099] c 09 N73-13209

A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836

Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957

Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342

Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770

Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345

Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953

Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227

Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N86-25292

LONGERONS

Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867

Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791

Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352

LONGITUDINAL CONTROL

Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581

Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152

Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700

Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314

LONGITUDINAL STABILITY

Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277

LOOK ANGLES (ELECTRONICS)

Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711

LOOP ANTENNAS

Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202

Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113

LOOPS

Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647

Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609

Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171

High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

Means for accommodating large overstrain in lead wires --- by storing extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865

Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336

Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626

Fluidic momentum controller
[NASA-CASE-MSC-20906-1] c 18 N86-19344

Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N86-20721

LOUVERS

Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204

LOW ASPECT RATIO

Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286

Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858

LOW COST

Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635

Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413

LOW CURRENTS

Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338

LOW DENSITY MATERIALS

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037

Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436

Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915

Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116

LOW FREQUENCIES

Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794

Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713

LOW GRAVITY MANUFACTURING

Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189

Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
Apparatus and furnace for containerless processing of high temperature materials in space
[NASA-CASE-MFS-28087-1] c 35 N86-23899

LOW MOLECULAR WEIGHTS

Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807

LOW NOISE

Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887

LOW PASS FILTERS

Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

LOW PRESSURE

Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008

LOW SPEED

Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863

LOW TEMPERATURE

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570

LOW TEMPERATURE ENVIRONMENTS

Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986

LOW TEMPERATURE TESTS

Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221

LOW THRUST

Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

LOW VACUUM

Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

LOW VOLTAGE

High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366

LOWER BODY NEGATIVE PRESSURE

Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803

LUBRICANTS

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058

LUBRICATING OILS

Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570

LUBRICATION

Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383

Variable resistance constant tension and lubrication device --- using oil-saturated leather wiper
[NASA-CASE-KSC-10723-1] c 37 N75-13265

Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461

LUBRICATION SYSTEMS

Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

LUMINAIRES

Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
Lamp modulator
[NASA-CASE-KSC-10565] c 09 N72-25250
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427

LUMINANCE

Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

LUMINOSITY

Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

LUMINOUS INTENSITY

Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797
Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416
Solar cell assembly --- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571
Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315
System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647

LUMPING

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

LUNAR BASES

Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046

LUNAR COMMUNICATION

Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

LUNAR COMPOSITION

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765

LUNAR EXPLORATION

Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

LUNAR GRAVITATION

Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474

LUNAR GRAVITY SIMULATOR

Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786

LUNAR LANDING

Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966

LUNAR LOGISTICS

Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

LUNAR ROCKS

Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034

LUNAR SOIL

Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MSC-12408-1] c 46 N74-13011

LUNAR SURFACE VEHICLES

Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091

LUNGS

Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329

M

MACH NUMBER

Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

MACHINE TOOLS

Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
Geneva mechanism --- including star wheel and driver
[NASA-CASE-NPO-13281-1] c 37 N75-13266
Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491

MACHINERY

Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

MACHINING

Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446

MAGNESIUM

Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

MAGNESIUM ALLOYS

Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

MAGNESIUM OXIDES

Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095

MAGNET COILS

Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008

MAGNETIC AMPLIFIERS

Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338

MAGNETIC BEARINGS

Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337
Radial and torsionally controlled magnetic bearing
[NASA-CASE-GSC-12957-1] c 37 N87-17038

MAGNETIC CHARGE DENSITY

Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

MAGNETIC CIRCUITS

Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

MAGNETIC COILS

Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
Radial and torsionally controlled magnetic bearing
[NASA-CASE-GSC-12957-1] c 37 N87-17038

MAGNETIC CONTROL

Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357

MAGNETIC CORES

Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928

MAGNETIC DIPOLES

Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725

MAGNETIC DISKS

Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819

MAGNETIC FIELD CONFIGURATIONS

Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

MAGNETIC FIELDS

Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646

Electrostatic ion engine having a permanent magnetic circuit Patent

[NASA-CASE-XLE-01124] c 28 N71-14043
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315
Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

MAGNETIC FILMS

Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678

MAGNETIC FLUX

Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
Magnetic bearing --- for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574
Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
Radial and torsionally controlled magnetic bearing
[NASA-CASE-GSC-12957-1] c 37 N87-17038

MAGNETIC FORMING

Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865

MAGNETIC INDUCTION

Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

MAGNETIC LENSES

Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325

MAGNETIC MATERIALS

Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124

MAGNETIC MEASUREMENT

Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390

MAGNETIC PERMEABILITY

Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284

MAGNETIC POLES

Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406

MAGNETIC PUMPING

Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
Magnetocaloric pump --- for cryogenic fluids
[NASA-CASE-LEW-11672-1] c 37 N74-27904
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625

MAGNETIC RECORDING

Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678

MAGNETIC SIGNALS

Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467

MAGNETIC STORAGE

Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365

MAGNETIC SUSPENSION

Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424

- Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372
- Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
- MAGNETIC SWITCHING**
Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
- MAGNETIC TAPE TRANSPORTS**
Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
- MAGNETIC TAPES**
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N86-25292
- MAGNETIC TRANSDUCERS**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- MAGNETIZATION**
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- MAGNETO-OPTICS**
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
- MAGNETOHYDRODYNAMIC FLOW**
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
- MAGNETOHYDRODYNAMIC GENERATORS**
Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- MAGNETOMETERS**
Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
- Improved flux-gate magnetometer
[NASA-CASE-LAR-13560-1] c 35 N86-32701
- MAGNETRON SPUTTERING**
Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- MAGNETRONS**
Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
- MAGNETS**
Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284
- MAGNIFICATION**
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437
Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 74 N86-20124
- MAGNITUDE**
Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
- MAINTENANCE**
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
System and method for refurbishing and processing parachutes --- monorial conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172
Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736
- MALEATES**
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376
Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
- MALFUNCTIONS**
Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
- MANDRELS**
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
- MANEUVERABILITY**
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479
- MANGANESE**
Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- MANIFOLDS**
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
- Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800
- MANIPULATORS**
Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495
Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MFS-14245-1] c 18 N75-27041
Cooperative multi-axis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479
Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N86-19603
Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 37 N86-20789
Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352
Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259
Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N87-15260
Space station erectable manipulator placement system
[NASA-CASE-MSC-21096-1] c 18 N87-18596
Orbital maneuvering end effectors
[NASA-CASE-MFS-28161-1] c 37 N87-18817
- MANNED ORBITAL LABORATORIES**
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
- MANNED ORBITAL RESEARCH LABORATORIES**
Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- MANNED SPACE FLIGHT**
Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
- MANNED SPACECRAFT**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085

SUBJECT INDEX

Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750

MANOMETERS
Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394

MANUAL CONTROL
Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

MANUFACTURING
A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471
Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
The 1-(diorganooxophosphonyl)methyl-2, 4- and -2, 6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499

MAPPING
Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711

MAPS

Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584

MASERS

Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521
Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

MASKING

Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922

MASS

Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385

MASS BALANCE

Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755

MASS DISTRIBUTION

Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339

MASS FLOW

Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262

MASS SPECTROMETERS

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041
Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

MATRICES (CIRCUITS)

Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016

MASS SPECTROSCOPY
Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184

MATERIAL ABSORPTION
Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483

MATERIALS
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

MATERIALS HANDLING
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679

MATERIALS RECOVERY
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

MATERIALS SCIENCE
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486

MATERIALS TESTS
Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476

MATHEMATICAL LOGIC
Logical function generator
[NASA-CASE-XLA-05099] c 09 N73-13209

MATRICES (CIRCUITS)
Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650

Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041

MATRIX MATERIALS
Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 25 N85-30039
Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526

MCLEOD GAGES
Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450

MEASURING INSTRUMENTS
Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486
RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388

Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
Apparatus and method for processing Korotkov sounds --- for blood pressure measurement
[NASA-CASE-MSC-13999-1] c 52 N74-26626
Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862
Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382
Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495
Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455
Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541
Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N85-21595
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N86-19580

MECHANICAL DEVICES

Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
Satellite despinn device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396
Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599
Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

- Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
- Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560
- Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
- Connection system --- insuring against loss of a tool component without using multiple tethers
[NASA-CASE-MSC-20319-1] c 37 N85-21649
- Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149
- MECHANICAL DRIVES**
- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
- Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
- Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
- Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
- Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
- Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
- Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
- Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371
- Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
- Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070
- Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- Geneva mechanism --- including star wheel and driver
[NASA-CASE-NPO-13281-1] c 37 N75-13266
- Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Wobble gear drive mechanism --- for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
- Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147
- Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N86-32738
- MECHANICAL ENGINEERING**
- Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- MECHANICAL MEASUREMENT**
- Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
- Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
- Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
- Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
- Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- MECHANICAL PROPERTIES**
- High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
- Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
- Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349
- Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718
- Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526
- MECHANICS (PHYSICS)**
- Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
- MECHANIZATION**
- Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493
- MEDICAL ELECTRONICS**
- Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- MEDICAL EQUIPMENT**
- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
- Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
- Tissue macerating instrument
[NASA-CASE-LEW-12688-1] c 52 N78-14773
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112
- MELTING**
- Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
- Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- MELTING POINTS**
- Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- MELTS (CRYSTAL GROWTH)**
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Preparation of monotelect alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
- Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934
- Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- MEMBRANE STRUCTURES**
- Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
- Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Meteoroid capture cell construction
[NASA-CASE-MSC-12423-1] c 91 N76-30131
- Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163

- In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644

MEMBRANES

- Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361

MEMORY

- Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032

MEMORY (COMPUTERS)

- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- Real-time garbage collection for list processing
[NASA-CASE-MSC-20964-1] c 60 N87-14863

MERCURY (METAL)

- Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709

MERCURY VAPOR

- Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

METABOLIC WASTES

- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067

METABOLISM

- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750

METAL BONDING

- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
- Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648

Apparatus for the determination of the existence or non-existence of a bonding between two members Patent

- [NASA-CASE-MFS-13686] c 15 N71-18132
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
- Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
- Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
- Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
- Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
- Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550
- Composite piston
[NASA-CASE-LAR-13435-1] c 37 N87-15464

METAL COATINGS

- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
- Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
- Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363
- Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550
- Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482
- Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613

METAL COMPOUNDS

- Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348

METAL CUTTING

- Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460
- Vee-notching device --- with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131
- Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

METAL FATIGUE

- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179

METAL FIBERS

- Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331

METAL FILMS

- Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
- Deposition of alloy films --- on irregular shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589

METAL FINISHING

- Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
- Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225

METAL FOILS

- Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180
- Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

METAL FUELS

- Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

METAL HALIDES

- Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

METAL HYDRIDES

- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436

METAL IONS

- Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571

METAL JOINTS

- Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- X-ray determination of parts alignment
[NASA-CASE-MS-20418-1] c 74 N86-20126

METAL MATRIX COMPOSITES

- Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
- Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Preparation of monolithic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
- Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027
- Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613

METAL OXIDE SEMICONDUCTORS

- Gyator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- Integrated P-channel MOS gyator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
- Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150

METAL OXIDES

- Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
- Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MS-12408-1] c 46 N74-13011
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MS-18172-1] c 26 N80-19237
- Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

- Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
- Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434
- Apparatus for producing oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-2] c 27 N86-32569

METAL PARTICLES

- Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

METAL PLATES

- Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528
- Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MS-14182-1] c 27 N76-14264
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
- High effectiveness contour matching contact heat exchanger
[NASA-CASE-MS-20840-1] c 34 N87-18779

METAL POWDER

- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01825] c 15 N71-23022
- Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
- Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
- Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- Electrodes for solid state devices
[NASA-CASE-NPO-15181-1] c 33 N84-16456

METAL SHEETS

- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
- Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
- Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
- Apparatus for welding sheet material --- butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376
- Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450

METAL SHELLS

- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886

METAL SPINNING

- Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723

METAL SPRAYING

- Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550

METAL STRIPS

- Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
- Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
- High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

METAL SURFACES

- Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830

- Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
- Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095

- Surface finishing
[NASA-CASE-MS-12631-3] c 27 N81-14077
- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
- Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N86-32556

METAL VAPOR LASERS

- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

METAL VAPORS

- Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
- Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
- Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

METAL WORKING

- Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
- Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
- Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
- Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
- Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
- Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
- Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491

METAL-METAL BONDING

- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

METALLIC GLASSES

- Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452

METALLIZING

- Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
- Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555

- Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550
- METALLOGRAPHY**
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- METALLISOXANE POLYMER**
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- METALLURGY**
Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- METALS**
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MS-C-20622-1] c 25 N86-19413
Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455
Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680
- METASTABLE STATE**
Stabilization of He₂(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- METEORITE COLLISIONS**
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- METEORITES**
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
- METEORITIC DAMAGE**
Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
- METEOROID HAZARDS**
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- METEOROID PROTECTION**
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
Coaxial tube tether/transmission line for manned nuclear space power
[NASA-CASE-LEW-14338-1] c 20 N87-10174
- METEOROIDS**
Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419
Meteoroid capture cell construction
[NASA-CASE-MS-C-12423-1] c 91 N76-30131
- METEOROLOGICAL BALLOONS**
Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
- METHANE**
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
Amine terminated bispartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- METHYL ALCOHOL**
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- METHYL COMPOUNDS**
Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
Polymer of phosphonmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525
- METHYLENE**
Carboranyl methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N86-24840
- MICHELSON INTERFEROMETERS**
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Multispectral imaging system
[NASA-CASE-MS-C-12404-1] c 23 N73-13661
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N86-20779
- MICROANALYSIS**
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- MICROBALANCES**
Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
Microbalance --- for measuring particle mass
[NASA-CASE-MS-C-11242] c 35 N78-17358
- MICROBALLOONS**
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- MICROBIOLOGY**
Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
Apparatus for microbiological sampling --- including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272
Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
Flow through bacteria detection system
[NASA-CASE-LAR-12871-1] c 35 N85-29218
- MICROCHANNELS**
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- MICROCRACKS**
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- MICROELECTRONICS**
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- MICROFIBERS**
Small conductive particle sensor --- microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- MICROFILMS**
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
- MICROINSTRUMENTATION**
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- MICROMETEORITES**
Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
- MICROMETEORIDS**
Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MS-C-12109] c 18 N71-26285
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390
- MICROMETERS**
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- MICROMINIATURIZATION**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
- MICROORGANISMS**
Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
Flow through bacteria detection system
[NASA-CASE-LAR-12871-1] c 35 N85-29218
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- MICROPARTICLES**
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561

MICROPHONES

- Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
- Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975
- Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597

MICROPROCESSORS

- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992

MICROSCOPES

- Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
- Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594

MICROSTRIP TRANSMISSION LINES

- Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336

MICROSTRUCTURE

- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- Preparation of monotelectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095

MICROTHRUST

- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766

MICROWAVE AMPLIFIERS

- Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

MICROWAVE ANTENNAS

- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336

MICROWAVE CIRCUITS

- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- Laser activated MTOs microwave device
[NASA-CASE-NPO-16112-1] c 33 N86-19516

MICROWAVE COUPLING

- Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

MICROWAVE EQUIPMENT

- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373

MICROWAVE FILTERS

- High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
- High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195

MICROWAVE FREQUENCIES

- Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
- Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013

MICROWAVE OSCILLATORS

- Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195

MICROWAVE RADIOMETERS

- Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
- Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443

MICROWAVE REFLECTOMETERS

- Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
- Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822

MICROWAVE RESONANCE

- Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137

MICROWAVE SWITCHING

- Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
- Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340

MICROWAVE TRANSMISSION

- Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085

MICROWAVE TUBES

- Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208

MIRRORS

- Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722

Waveguide mixer

- [NASA-CASE-ERC-10179] c 07 N72-20141

Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver

- [NASA-CASE-MFS-21470-1] c 44 N74-19870

Wide power range microwave feedback controller

- [NASA-CASE-GSC-12146-1] c 33 N78-32340

Microwave power transmission beam safety system

- [NASA-CASE-NPO-14224-1] c 33 N80-18287

Doppler radar having phase modulation of both transmitted and reflected return signals

- [NASA-CASE-MSC-18675-1] c 32 N84-22820

Beam forming network

- [NASA-CASE-NPO-15743-1] c 32 N85-29118

MIDAIR COLLISIONS

Apparatus for aiding a pilot in avoiding a midair collision between aircraft

- [NASA-CASE-LAR-10717-1] c 21 N73-30641

MILLIMETER WAVES

Millimeter wave antenna system Patent Application

- [NASA-CASE-GSC-10949-1] c 07 N71-28965

Millimeter wave pumped parametric amplifier

- [NASA-CASE-GSC-11617-1] c 33 N74-32660

MILLING (MACHINING)

Apparatus for machining geometric cones Patent

- [NASA-CASE-XMS-04292] c 15 N71-22722

Method and tool for machining a transverse slot about a bore

- [NASA-CASE-LAR-11855-1] c 37 N81-14319

Method for milling and drilling glass

- [NASA-CASE-GSC-12636-1] c 31 N83-27058

MILLING MACHINES

Electro-optical alignment control system Patent

- [NASA-CASE-XMF-00908] c 14 N70-40238

Portable milling tool Patent

- [NASA-CASE-XMF-03511] c 15 N71-22799

Grinding arrangement for ball nose milling cutters

- [NASA-CASE-LAR-10450-1] c 37 N74-27905

MINERAL DEPOSITS

Underground mineral extraction

- [NASA-CASE-NPO-14140-1] c 43 N81-26509

MINERAL METABOLISM

Method and system for in vivo measurement of bone tissue using a two level energy source

- [NASA-CASE-MSC-14276-1] c 52 N77-14737

MINIATURE ELECTRONIC EQUIPMENT

Miniature stress transducer Patent

- [NASA-CASE-NPO-02983] c 14 N71-21091

Transducer circuit and catheter transducer Patent

- [NASA-CASE-ARC-10132-1] c 09 N71-24597

Solid state television camera system Patent

- [NASA-CASE-XMF-06092] c 07 N71-24612

Miniature ingestible telemeter devices to measure deep-body temperature

- [NASA-CASE-ARC-10583-1] c 52 N76-29894

Miniature biaxial strain transducer

- [NASA-CASE-LAR-11648-1] c 35 N77-14407

Miniature electrooptical air flow sensor

- [NASA-CASE-LAR-13065-1] c 35 N85-20295

MINIATURIZATION

Miniature vibration isolator Patent

- [NASA-CASE-XLA-01019] c 15 N70-40156

Counter and shift register Patent

- [NASA-CASE-XNP-01753] c 08 N71-22897

Miniature carbon dioxide sensor and methods

- [NASA-CASE-MSC-13332-1] c 14 N72-21408

Magnetometer with a miniature transducer and automatic scanning

- [NASA-CASE-LAR-11617-2] c 35 N78-32397

Miniature cyclotron resonance ion source using small permanent magnet

- [NASA-CASE-NPO-14324-1] c 72 N80-27163

Thumb-actuated two-axis controller

- [NASA-CASE-ARC-11372-1] c 08 N86-27288

MINING

Coal-shale interface detection system

- [NASA-CASE-MFS-23720-2] c 43 N80-14423

Coal-shale interface detector

- [NASA-CASE-MFS-23720-1] c 43 N80-23711

Underground mineral extraction

- [NASA-CASE-NPO-14140-1] c 43 N81-26509

Longwall shearer tracking system

- [NASA-CASE-MFS-25717-1] c 35 N84-33768

Shuttle car loading system

- [NASA-CASE-NPO-15949-1] c 85 N85-34722

MINORITY CARRIERS

Method of increasing minority carrier lifetime in silicon web or the like

- [NASA-CASE-NPO-15530-1] c 76 N83-35888

MIRRORS

Pneumatic mirror support system

- [NASA-CASE-XLA-03271] c 11 N69-24321

Electromagnetic mirror drive system

- [NASA-CASE-XLA-03724] c 14 N69-27461

- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Optical range finder having nonoverlapping complete images
[NASA-CASE-MS-12105-1] c 14 N72-21409
Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MS-12611-1] c 12 N76-15189
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 74 N86-20124
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138
Self-clamping arc light reflector for welding torch
[NASA-CASE-MFS-29207-1] c 74 N87-15786
- MIS (SEMICONDUCTORS)**
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- MISSILE CONTROL**
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- MISSILE LAUNCHERS**
Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
- MISSILE STRUCTURES**
Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231
- MISSILES**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- MITOSIS**
Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- MIXERS**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1CU] c 35 N86-26598
Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
- MIXING**
Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
- MIXING CIRCUITS**
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- MIXTURES**
Low gravity phase separator
[NASA-CASE-MS-14773-1] c 35 N78-12390
Process for producing tris s(n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
- MOBILE COMMUNICATION SYSTEMS**
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1CU] c 32 N87-15390
Trellis coded modulation for transmission over fading mobile-satellite channel
[NASA-CASE-NPO-16904-1CU] c 32 N87-18691
- MOBILITY**
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147
- MODE TRANSFORMERS**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676
Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133
- MODEMS**
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- MODES (STANDING WAVES)**
Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- MODULATION**
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- MODULATORS**
Retrodiffractive optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
Retrodiffractive modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- MODULES**
Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
Shuttle-launch triangular space station
[NASA-CASE-MS-20676-1] c 18 N86-24729
- MODULUS OF ELASTICITY**
Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- MOISTURE**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- MOISTURE CONTENT**
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
Moisture content and gas sampling device
[NASA-CASE-MS-18866-1] c 35 N85-29213
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- MOISTURE METERS**
Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- Ice detector
[NASA-CASE-LAR-13403-1] c 03 N86-24673
- MOISTURE RESISTANCE**
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- MOLDING MATERIALS**
Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- MOLDS**
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920
Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- MOLECULAR BEAMS**
Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- MOLECULAR CHAINS**
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- MOLECULAR GASES**
Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- MOLECULAR PUMPS**
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- MOLECULAR RELAXATION**
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
- MOLECULAR ROTATION**
Diatomic infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- MOLECULAR SPECTRA**
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- MOLECULAR SPECTROSCOPY**
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
- MOLECULAR WEIGHT**
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
Process of end-capping a polyimide system
[NASA-CASE-LAR-13135-1] c 27 N86-19456
Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N86-25477
A method of estimating the molecular weight of polymeric materials
[NASA-CASE-LAR-13212-1] c 27 N87-10206
- MOLECULES**
Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- MOLTEN SALT ELECTROLYTES**
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643

MOLTEN SALTS

Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261

MOLYBDENUM

Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346

MOLYBDENUM CARBIDES

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

MOLYBDENUM DISULFIDES

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

MOMENTS OF INERTIA

Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992

MOMENTUM

Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708

Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

MONATOMIC GASES

Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402

MONITORS

Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573

Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026

Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175

Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478

Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319

Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304

Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315

Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272

Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139

Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117

Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932

Optical distance measuring instrument
[NASA-CASE-GSC-12761-1] c 74 N86-32266

MONOCHROMATIC RADIATION

Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753

Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380

Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

MONOCHROMATORS

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461

Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109

MONOMERS

Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359

Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256

Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160

Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338

Phosphorus-containing imide resins

[NASA-CASE-ARC-11368-1] c 27 N83-31854

Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885

Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727

Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis --- synthetic routes to monomers for polyimides
[NASA-CASE-LEW-14345-1] c 23 N87-14432

New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N87-14433

Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907

MONOPOLE ANTENNAS

Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase
[NASA-CASE-XLA-00414] c 07 N70-38200

Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720

MONOPROPELLANTS

Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249

Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311

Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

MONOPULSE ANTENNAS

Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460

Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750

Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804

Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

MONOPULSE RADAR

Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864

Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483

MONOSTABLE MULTIVIBRATORS

Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016

Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860

MORPHOLOGY

Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800

MOSSBAUER EFFECT

Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091

Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329

MOTION

Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994

MOTION PICTURES

Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153

Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328

MOTION SIMULATORS

Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

MOTION STABILITY

Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658

MOTORS

Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313

System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805

Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402

Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716

MOUNTING

Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356

Mount for thermal control system Patent

[NASA-CASE-NPO-10138] c 33 N71-16357

Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813

Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243

Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562

Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284

Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500

Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468

Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560

Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975

Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443

Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560

Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448

Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N86-24993

Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594

MOVING TARGET INDICATORS

Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912

Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

MULTIBEAM ANTENNAS

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918

MULTICHANNEL COMMUNICATION

Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420

Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763

Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012

Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625

Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757

Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011

MULTILAYER INSULATION

Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022

Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351

Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186

Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181

Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417

MULTIPACTOR DISCHARGES

High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285

MULTIPATH TRANSMISSION

Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392

Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415

MULTIPLE BEAM INTERVAL SCANNERS

Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854

Variable beamwidth antenna --- with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295

MULTIPLE DOCKING ADAPTERS

Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346

MULTIPLE OUTPUT PROGRAMS

Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818

MULTIPLEXING

- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
- Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
- Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115
- Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195
- Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- System for producing chroma signals
[NASA-CASE-MS-C-14683-1] c 74 N77-18893
- Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
- System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- MULTIPLIERS**
- Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390
- Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
- Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
- Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- MULTISPECTRAL BAND SCANNERS**
- Optical process for producing classification maps from multispectral data
[NASA-CASE-MS-C-14472-1] c 43 N77-10584
- Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MS-C-16253-1] c 32 N79-20297
- Multispectral scanner optical system
[NASA-CASE-MS-C-18255-1] c 74 N80-33210
- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
- MULTISPECTRAL LINEAR ARRAYS**
- Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 74 N86-29650
- MULTISPECTRAL PHOTOGRAPHY**
- Multispectral imaging system
[NASA-CASE-MS-C-12404-1] c 23 N73-13661
- Optical process for producing classification maps from multispectral data
[NASA-CASE-MS-C-14472-1] c 43 N77-10584
- Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MS-C-16253-1] c 32 N79-20297
- MULTISPECTRAL TRACKING TELESCOPES**
- Multispectral glancing incidence X-ray telescope
[NASA-CASE-MFS-28013-1] c 89 N86-22459
- MULTISTAGE ROCKET VEHICLES**
- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176

- Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645
- Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730
- Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
- Frangible link
[NASA-CASE-MS-C-11849-1] c 15 N72-22488
- Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787

MULTIVIBRATORS

- Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
- High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042
- A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
- Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

MUSCLES

- Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703

MUSCULAR FUNCTION

- Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072

MUSCULOSKELETAL SYSTEM

- Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738

MYOCARDIUM

- Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072

MYOPIA

- Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193

N

N-TYPE SEMICONDUCTORS

- Complementary DMOS-V MOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321

NACELLES

- Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
- Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

NASA PROGRAMS

- Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474

NAVIGATION

- Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288

NAVIGATION AIDS

- Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
- Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031
- System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713

NAVIGATION INSTRUMENTS

- Sun angle calculator
[NASA-CASE-MS-C-12617-1] c 35 N76-29552

- Improved flux-gate magnetometer
[NASA-CASE-LAR-13560-1] c 35 N86-32701

NAVIGATION SATELLITES

- Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948

NEAR INFRARED RADIATION

- Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389

NEGATIVE FEEDBACK

- Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335

NEODYMIUM LASERS

- Length controlled stabilized mode-lock ND:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499

NERVES

- Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863

NETWORK SYNTHESIS

- Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
- High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
- Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421

NEUROGLIA

- Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

NEUROLOGY

- Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863

NEUTRALIZERS

- Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039

NEUTRON EMISSION

- Deuterium pass through target --- neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860

NICKEL

- Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
- Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- Metal (2,4,4',4'') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267

NICKEL ALLOYS

- High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
- Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
- Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
- Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
- Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N86-26414
- Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192

- Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482
- NICKEL CADMIUM BATTERIES**
Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531
- NICKEL COATINGS**
Nickel aluminide coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
- NICKEL COMPOUNDS**
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
Braze alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- NICKEL HYDROGEN BATTERIES**
Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 44 N86-25874
- NICKEL PLATE**
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
- NICKEL ZINC BATTERIES**
Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422
- NIObIUM**
Trialkyl-dihaloaluminum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
- NIObIUM COMPOUNDS**
Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- NITRAMINE PROPELLANTS**
Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- NITRATES**
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MS-C-18172-1] c 26 N80-19237
- NITRIC OXIDE**
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
- NITRIDES**
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- NITRIDING**
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N86-32556
- NITRILES**
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
- NITRO COMPOUNDS**
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- NITROAMINES**
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147
- NITROGEN**
III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- NITROGEN COMPOUNDS**
Method for preparing addition type polyimide prepress
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- NITROGEN OXIDES**
Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Combustor --- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
- NITROGEN TETROXIDE**
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- NITROGUANIDINE**
Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699
- NOBLE METALS**
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150
- NODES (STANDING WAVES)**
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- NOISE GENERATORS**
Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N86-26575
- NOISE METERS**
Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- NOISE REDUCTION**
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
Audio signal processor Patent
[NASA-CASE-MS-C-12223-1] c 07 N71-26181
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
Gas turbine exhaust nozzle --- for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490
Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485
Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MS-C-12640-1] c 74 N76-31998
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Magnetooptic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- NOISE TEMPERATURE**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- NOISE THRESHOLD**
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MS-C-12165-1] c 07 N71-33696
- NONADIABATIC CONDITIONS**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- NONDESTRUCTIVE TESTS**
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
Ultrasonic angle beam standard reflector --- ultrasonic nondestructive inspection
[NASA-CASE-LAR-13153-1] c 71 N86-21276
Acoustic emission frequency discrimination
[NASA-CASE-MS-C-20467-1] c 35 N87-14676
- NONEQUILIBRIUM CONDITIONS**
Condition sensor system and method
[NASA-CASE-MS-C-14805-1] c 54 N78-32720
- NONEQUILIBRIUM PLASMAS**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- NONEQUILIBRIUM RADIATION**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- NONFLAMMABLE MATERIALS**
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Non-flammable elastomeric fiber from a fluorinated elastomer and containing a halogenated flame retardant
[NASA-CASE-MS-C-14331-1] c 27 N76-24405
- NONLINEAR FEEDBACK**
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373
- NONLINEAR FILTERS**
Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- NONLINEAR SYSTEMS**
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272

O

Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594

Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222

Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

NORMAL DENSITY FUNCTIONS
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932

NOSE CONES
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637

Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

NOSE WHEELS
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160

NOTCH STRENGTH
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

NOTCH TESTS
Vee-notching device --- with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131

Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

NOTCHES
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

NOZZLE DESIGN
Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284

Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711

Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899

Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637

Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660

Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224

Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330

Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068

Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065

Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055

Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097

Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371

Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376

NOZZLE FLOW
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582

Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647

Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339

Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153

Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MS-C-19706-1] c 09 N78-31129

NOZZLE GEOMETRY
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123

NOZZLE INSERTS
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967

Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

NOZZLES
Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192

NUCLEAR EXPLOSION EFFECT
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852

NUCLEAR FUEL ELEMENTS
Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528

NUCLEAR MAGNETIC RESONANCE
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

NUCLEAR POWER PLANTS
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046

NUCLEAR PUMPED LASERS
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307

NUCLEAR PUMPING
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415

NUCLEAR REACTOR CONTROL
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913

NUCLEAR REACTORS
Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179

Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

NUCLEATE BOILING
Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277

NULL ZONES
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740

NUMBER THEORY
Binary concatenated coding system
[NASA-CASE-MS-C-14082-1] c 60 N76-23850

NUMERICAL ANALYSIS
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701

NUMERICAL CONTROL
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215

Digital numerically controlled oscillator
[NASA-CASE-MS-C-16747-1] c 33 N81-17349

Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352

Reconfiguring redundancy management
[NASA-CASE-MS-C-18498-1] c 60 N82-29013

Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681

Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N86-25790

NUMERICAL INTEGRATION
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

NUSTATION
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747

Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513

NUSTATION DAMPERS
Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719

Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064

NUTS (FASTENERS)
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489

Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457

High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383

Floating nut retention system
[NASA-CASE-MS-C-16938-1] c 37 N80-23653

O RING SEALS
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908

Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442

Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447

Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497

Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N86-25790

OBlique WINGS
Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

OCCLUSION
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744

OCEAN CURRENTS
Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327

OCEAN DATA ACQUISITIONS SYSTEMS
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723

OCEAN SURFACE
Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391

Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

OCEAN THERMAL ENERGY CONVERSION
Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542

OFFSHORE PLATFORMS
Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542

OHMMETERS
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497

OIL EXPLORATION
Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555

Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709

OIL RECOVERY
Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452

Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282

Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428

OILS
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815

Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

OMNIDIRECTIONAL ANTENNAS
Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888

Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244

Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247

ONBOARD EQUIPMENT
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285

Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871

Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616

Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064

Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948

A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613

Collapsible Apollo couch
[NASA-CASE-MS-C-13140] c 05 N72-11085

Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221

SUBJECT INDEX

Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039

Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910

Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114

OPEN CHANNEL FLOW
Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180

OPERATING TEMPERATURE
Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579

OPERATIONAL AMPLIFIERS
Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373

Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356

Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975

Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N86-32624

OPHTHALMOLOGY
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062

Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

OPTICAL COMMUNICATION
Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491

Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389

Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183

Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963

High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119

Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553

Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053

Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889

Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032

OPTICAL COUPLING
Automatic quadrature control and measuring system --- using optical coupling circuitry
[NASA-CASE-MFS-21660-1] c 35 N74-21017

Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749

OPTICAL DATA PROCESSING
Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666

Recorder/processor apparatus --- for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195

Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342

Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918

Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348

Remotely controllable real-time optical processor
[NASA-CASE-NPO-16750-1-CU] c 74 N87-19064

OPTICAL DENSITY
Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932

OPTICAL EMISSION SPECTROSCOPY
Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041

OPTICAL EQUIPMENT
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355

Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170

Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868

Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674

Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027

Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389

Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386

Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037

Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414

Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452

Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427

Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630

Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475

Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741

Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089

Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008

Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304

Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040

Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273

Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993

Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793

Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950

Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932

Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308

Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854

Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693

Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396

High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971

OPTICAL FILTERS
High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622

Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568

Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998

System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893

Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865

Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891

OPTICAL PROPERTIES

Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766

A method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N86-20128

Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 74 N86-29650

OPTICAL GYROSCOPES
Optical gyroscope system
[NASA-CASE-NPO-12458-1] c 35 N81-33448

Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037

Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N86-20129

OPTICAL HETERODYNING
Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661

Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

OPTICAL MEASUREMENT
Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340

Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341

Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040

Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447

Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913

Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907

Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628

Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577

Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523

Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766

Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N86-26190

OPTICAL MEASURING INSTRUMENTS
Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428

Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673

Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323

Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407

Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759

Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138

Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687

Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888

Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071

Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921

Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216

Optical distance measuring instrument
[NASA-CASE-GSC-12761-1] c 74 N86-32266

Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N87-14669

OPTICAL PATHS
Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095

Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415

OPTICAL PROPERTIES
Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818

Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065

Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414

- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- OPTICAL PUMPING**
- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- OPTICAL PYROMETERS**
- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
- OPTICAL RADAR**
- Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- OPTICAL RANGE FINDERS**
- Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
- OPTICAL REFLECTION**
- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
- Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
- Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
- Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
- OPTICAL RESONANCE**
- Optically pumped resonance magnetometer for determining vectoral components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- OPTICAL SCANNERS**
- Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697
- Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
- Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
- Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
- Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
- Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888
- Optical scanner --- laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866
- Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
- Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- OPTICAL TRACKING**
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348
- OPTICAL TRANSFER FUNCTION**
- Electronic optical transfer function analyzer
[NASA-CASE-MFS-16172-1] c 74 N76-19935
- OPTICAL WAVEGUIDES**
- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- OPTIMIZATION**
- Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
- OPTOGALVANIC SPECTROSCOPY**
- Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 35 N86-25753
- ORAL HYGIENE**
- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
- ORBIT TRANSFER VEHICLES**
- Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610
- Aerobraking orbital transfer vehicle
[NASA-CASE-MSC-20921-1] c 18 N86-20471
- ORBITAL ASSEMBLY**
- Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
- Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
- Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259
- Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N87-15260
- ORBITAL LAUNCHING**
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469
- ORBITAL MANEUVERING VEHICLES**
- Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147
- Orbital maneuvering end effectors
[NASA-CASE-MFS-28161-1] c 37 N87-18817
- ORBITAL MANEUVERS**
- Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- ORBITAL MECHANICS**
- A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
- ORBITAL SERVICING**
- Electrical self-aligning connector --- orbital servicer vehicles
[NASA-CASE-MFS-25211-2] c 33 N84-14423
- Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610
- Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147
- Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
- ORBITAL SPACE STATIONS**
- Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
- Space manufacturing machine Patent
[NASA-CASE-MSC-20410] c 15 N71-19214
- Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
- ORGANIC CHEMISTRY**
- Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene
[NASA-CASE-XLA-03104] c 06 N71-11235
- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- ORGANIC COMPOUNDS**
- Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
- Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
- Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- Analysis of volatile organic compounds --- trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
- Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
- The 1-(diorganooxophosphonyl)methyl-2, 4- and -2, 6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499
- Amine terminated bisaspartamide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
- ORGANIC MATERIALS**
- Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N86-24840
- ORGANIC PHOSPHORUS COMPOUNDS**
- Fire resistant polymers based on 1-((dialkoxophosphonyl)methyl)-2,4,-2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
- ORGANIC SILICON COMPOUNDS**
- Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205
- ORGANIC SULFUR COMPOUNDS**
- Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- ORGANOMETALLIC COMPOUNDS**
- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
- Carboranyl-methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- ORGANOMETALLIC POLYMERS**
- Metal containing polymers from cyclic tetrameric phenylphosphonitriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- ORIFICE FLOW**
- Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- ORIFICES**
- Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
- ORTHO HYDROGEN**
- Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- ORTHO PARA CONVERSION**
- Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- ORTHOGONAL MULTIPLEXING THEORY**
- Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- ORTHOGONALITY**
- Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
- Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
- ORTHOPEDICS**
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- ORTHOTROPIC CYLINDERS**
- Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
- Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
- OSCILLATION DAMPERS**
- Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894

- Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
- Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-13612
- Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064
- Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333
- OSCILLATIONS**
- Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
- OSCILLATORS**
- Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
- Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470
- Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
- Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
- Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
- Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
- Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
- Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
- LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
- Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919
- Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974
- JFET reflection oscillator
[NASA-CASE-GSC-12555-1] c 33 N86-19515
- Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679
- A water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755
- Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N86-32624
- OSCILLOSCOPES**
- Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
- Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
- OUTER PLANETS EXPLORERS**
- Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
- OUTGASSING**
- Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
- Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
- Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
- OUTLET FLOW**
- Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- OUTPUT**
- Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373
- Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679
- OVENS**
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- OVERPRESSURE**
- Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- OVERVOLTAGE**
- Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
- Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
- Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
- OXAZOLE**
- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- OXIDATION**
- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
- Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MSC-14831-1] c 25 N78-10225
- Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
- Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N86-19458
- Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434
- OXIDATION RESISTANCE**
- Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
- Method of protecting the surface of a substrate --- by applying aluminide coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261
- Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
- High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
- High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
- Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
- Nicral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
- High temperature resistant polyimide from tetra ester, diamine, diester and N-arylnadimide
[NASA-CASE-LEW-13864-1] c 27 N86-19457
- Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- Apparatus for producing oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-2] c 27 N86-32569
- Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192
- Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482
- OXIDATION-REDUCTION REACTIONS**
- Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
- OXIDE FILMS**
- Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
- Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N86-19458
- Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434
- Apparatus for producing oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-2] c 27 N86-32569
- OXIDES**
- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- OXIDIZERS**
- Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
- Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413
- OXIMETRY**
- Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
- OXYGEN**
- Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
- Method of detecting oxygen in a gas
[NASA-CASE-LAR-10668-1] c 06 N73-16106
- Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MSC-12408-1] c 46 N74-13011
- Nonflammable coating compositions --- for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547
- Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 44 N86-25874
- OXYGEN CONSUMPTION**
- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- OXYGEN FLUORIDES**
- Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
- OXYGEN ISOTOPES**
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
- OXYGEN METABOLISM**
- Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728
- OXYGEN PLASMA**
- Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- OXYGEN PRODUCTION**
- Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744
- OXYGEN RECOMBINATION**
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
- Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- OXYGEN REGULATORS**
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- OXYGEN SUPPLY EQUIPMENT**
- Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- Slow opening valve --- valve design for shuttle portable oxygen system
[NASA-CASE-MSC-20112-1] c 37 N85-20338
- OZONE**
- Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210

- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514

P

P-I-N JUNCTIONS

- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

P-N JUNCTIONS

- Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Radiation resistant silicon semiconductor devices
Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541
Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528

P-TYPE SEMICONDUCTORS

- Semiconductor material and method of making same
Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

PACKAGES

- Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085

PACKAGING

- Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180
Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482

PACKET TRANSMISSION

- Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428

PACKING DENSITY

- Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936

PACKINGS (SEALS)

- Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541

PAD

- Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562

PAINTS

- Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044

PALLADIUM

- Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396

PALLADIUM COMPOUNDS

- Prevention of pressure build-up in electrochemical cells
Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140

PANELS

- All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
Aluminium or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792

PAPER (MATERIAL)

- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

PAPERS

- Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

PARA HYDROGEN

- Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

PARABOLIC ANTENNAS

- Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355

PARABOLIC REFLECTORS

- Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
Scalloped-geometry solar concentrator
[NASA-CASE-MSC-21061-1] c 44 N87-18921

PARABOLOID MIRRORS

- Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866

PARACHUTE DESCENT

- Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

- Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898

PARACHUTE FABRICS

- Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330

PARACHUTES

- System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014
System and method for refurbishing and processing parachutes --- monorial conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200

PARAGLIDERS

- Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

PARALLAX

- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

PARALLEL PLATES

- Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

PARALLEL PROCESSING (COMPUTERS)

- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491

PARAMETRIC AMPLIFIERS

- Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660

PARAMETRIC FREQUENCY CONVERTERS

- Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192

PARAWINGS

- Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630

PARKING

- Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

PARTIAL PRESSURE

- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741

PARTICLE ACCELERATION

- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Dust particle injector for hypervelocity accelerators
Patent
[NASA-CASE-XGS-06628] c 24 N71-16213

PARTICLE ACCELERATOR TARGETS

- Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767
Deuterium pass through target --- neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860
Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

PARTICLE BEAMS

- Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575

PARTICLE COLLISIONS

Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

PARTICLE DENSITY (CONCENTRATION)

Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332

PARTICLE EMISSION

Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

PARTICLE ENERGY

Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509

PARTICLE MASS

Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431
Microbalance --- for measuring particle mass
[NASA-CASE-MSC-11242] c 35 N78-17358

PARTICLE MOTION

Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393

PARTICLE PRODUCTION

Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379

PARTICLE SIZE DISTRIBUTION

Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561

PARTICLE TRAJECTORIES
Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422

PARTICLES

Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428

PARTICULATE SAMPLING

Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184

PARTICULATES

Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376

PASSAGEWAYS

Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936

PASSENGERS

Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445

PASSIVE SATELLITES

Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052

PATENTS

Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191

PATIENTS

Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

PATTERN RECOGNITION

Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
Programmable pipelined image processor
[NASA-CASE-NPO-16461-1CU] c 60 N86-23283
Remotely controllable real-time optical processor
[NASA-CASE-NPO-16750-1CU] c 74 N87-19064

PAYLOAD DELIVERY (STS)

Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469

PAYLOAD RETRIEVAL (STS)

Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

PAYLOADS

Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609

PCM TELEMETRY

Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197

PEELING

Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419

PEENING

Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550

PELLETS

Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940

PELLIER EFFECTS

Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604

PELVIS

Shoulder and hip joints for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N86-29507

PENETRANTS

Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

PENETRATION

Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

PENETROMETERS

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

PERCEPTION

Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122

PERFLUORO COMPOUNDS

Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Polymerizable disilanols having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Process for preparing perfluoroelastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
Perfluoro (Imidoylamidine) diamidines
[NASA-CASE-ARC-11402-3] c 23 N86-21582

PERFLUOROALKANE

Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300

PERFORATED PLATES

Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582

PERFORATED SHELLS

Method of fabricating an article with cavities --- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089

PERFORMANCE PREDICTION

Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

PERFORMANCE TESTS

Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187

PERIODIC VARIATIONS

Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401

PERIPHERAL EQUIPMENT (COMPUTERS)

Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492

PERMEABILITY

Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507

- Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906

PEROXIDES

- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252

PERSPIRATION

- Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MS-C-90153-2] c 05 N72-25120
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

PERTURBATION

- Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

PERTURBATION THEORY

- Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783

PH FACTOR

- Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923

PHASE COHERENCE

- Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523

PHASE CONTRAST

- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037

PHASE CONTROL

- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Digital numerically controlled oscillator
[NASA-CASE-MS-C-16747-1] c 33 N81-17349
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493

PHASE DEMODULATORS

- Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

PHASE DETECTORS

- Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
Phase protection system for ac power lines
[NASA-CASE-MS-C-17832-1] c 33 N74-14956
Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MS-C-16461-1] c 33 N79-11313
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MS-C-16170-2] c 32 N84-27952

- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559
Method and apparatus for measuring frequency and phase difference
[NASA-CASE-MS-C-20865-1] c 32 N87-18692

PHASE DEVIATION

- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927

PHASE LOCK DEMODULATORS

- Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859

PHASE LOCKED SYSTEMS

- Automatic acquisition system for phase-locked loop
[NASA-CASE-XGS-04994] c 09 N69-21543
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Automatic frequency discriminators and control for a phase-locked loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Low speed phaselock speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MS-C-20187-1] c 33 N85-20249
Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N86-20780
Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559

PHASE MODULATION

- Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Phase modulator Patent
[NASA-CASE-MS-C-13201-1] c 07 N71-28429
Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MS-C-18675-1] c 32 N84-22820
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MS-C-16170-2] c 32 N84-27952
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590

PHASE SHIFT

- Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251
Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
JFET reflection oscillator
[NASA-CASE-GSC-12555-1] c 33 N86-19515
Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390

PHASE SHIFT CIRCUITS

- Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172
Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Pseudonoise code tracking loop
[NASA-CASE-MS-C-18035-1] c 32 N81-15179
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029

PHASE SHIFT KEYING

- Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Differential phase shift keyed communication system
[NASA-CASE-MS-C-14065-1] c 32 N74-26654

SUBJECT INDEX

- Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
- Unbalanced quadriphase demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
- Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- Trellis coded modulation for transmission over fading mobile-satellite channel
[NASA-CASE-NPO-16904-1-CU] c 32 N87-18691
- PHASE SWITCHING INTERFEROMETERS**
Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- PHASE TRANSFORMATIONS**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- PHASE VELOCITY**
Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- PHASED ARRAYS**
Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
- Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
- Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
- PHENOLIC RESINS**
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
- PHENOLS**
Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- PHENYLS**
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- PHONOCARDIOGRAPHY**
Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- PHOSPHATES**
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- PHOSPHAZENE**
Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carboranyl cyclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- Carboranylmethylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
- PHOSPHINES**
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
- Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854

- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- PHOSPHONITRILES**
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- PHOSPHORS**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- Flat-panel, full-color electroluminescent display
[NASA-CASE-LAR-13407-1] c 33 N86-24909
- PHOSPHORUS**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
- PHOSPHORUS COMPOUNDS**
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- The 1-(diorganooxophosphonyl)methyl-2, 4- and -2, 6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499
- Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525
- PHOSPHORUS POLYMERS**
Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carboranyl cyclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- PHOTOABSORPTION**
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- PHOTOCATHODES**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- PHOTOCHEMICAL REACTIONS**
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- PHOTOCONDUCTIVE CELLS**
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- PHOTOCONDUCTIVITY**
Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- PHOTOCONDUCTORS**
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- PHOTODIODES**
Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- PHOTODISSOCIATION**
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- PHOTOELECTRIC CELLS**
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130

PHOTOGRAPHIC PROCESSING

- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- PHOTOELECTRIC EFFECT**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- PHOTOELECTRIC EMISSION**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- PHOTOELECTRIC MATERIALS**
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
- Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
- Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- PHOTOELECTRICITY**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- PHOTOELECTROCHEMICAL DEVICES**
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
- PHOTOELECTRON SPECTROSCOPY**
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- PHOTOGRAPHIC EMULSIONS**
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- PHOTOGRAPHIC EQUIPMENT**
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- PHOTOGRAPHIC FILM**
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
- Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- A method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N86-20128
- PHOTOGRAPHIC MEASUREMENT**
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
- Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
- PHOTOGRAPHIC PROCESSING**
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

PHOTOGRAPHIC PROCESSING EQUIPMENT

- Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- PHOTOGRAPHIC RECORDING**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- PHOTOGRAPHY**
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639
- PHOTOIONIZATION**
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- PHOTOLYSIS**
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
- PHOTOMAPPING**
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- PHOTOMASKS**
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- PHOTOMECHANICAL EFFECT**
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- PHOTOMETERS**
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
Photodetector array with image plane processing
[NASA-CASE-LAR-13391-1] c 74 N86-33137
- PHOTOMICROGRAPHY**
Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594
- PHOTOMULTIPLIER TUBES**
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

- Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Photomultiplier circuit including means for rapidly reducing the sensitivity thereof --- and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682
- PHOTON BEAMS**
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
- PHOTON-ELECTRON INTERACTION**
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
- PHOTONS**
Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127
- PHOTOSENSITIVITY**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
- PHOTOTRANSISTORS**
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
- PHOTOTROPISM**
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- PHOTOVISCOELASTICITY**
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
- PHOTOVOLTAIC CELLS**
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
Thermionic photovoltaic energy converter
[NASA-CASE-LEW-14077-1] c 44 N85-34441
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150
Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760
- PHOTOVOLTAIC CONVERSION**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- PHOTOVOLTAIC EFFECT**
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Thermionic photovoltaic energy converter
[NASA-CASE-LEW-14077-1] c 44 N85-34441
- PHTHALATES**
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- PHTHALOCYANIN**
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
Metal (2) 4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455
- PHYSICAL EXERCISE**
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
- PHYSICAL PROPERTIES**
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- PHYSIOLOGICAL EFFECTS**
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- PHYSIOLOGICAL TESTS**
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- PHYSIOLOGY**
Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
- PIERCING**
Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-09036] c 14 N71-14996
- PIEZOELECTRIC CRYSTALS**
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
CDS solid state phase insensitive ultrasonic transducer --- annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
- PIEZOELECTRIC TRANSDUCERS**
Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398
Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 33 N86-20671

PIEZOELECTRICITY

- Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
- Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796

PIEZORESISTIVE TRANSDUCERS

- Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
- Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490

PIGMENTS

- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772

PILOT TRAINING

- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

PILOTS (PERSONNEL)

- System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483

PINCH EFFECT

- Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550

PINHOLE CAMERAS

- Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281

PINS

- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
- Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801

PINTLES

- Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648

PIPE FLOW

- Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- Fluidic momentum controller
[NASA-CASE-MSC-20906-1] c 18 N86-19344

PIPELINES

- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800

PIPELINING (COMPUTERS)

- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- Programmable pipelined image processor
[NASA-CASE-NPO-16461-1CU] c 60 N86-23283
- Neighborhood comparison operator
[NASA-CASE-NPO-16464-1CU] c 60 N86-24224
- Convolver
[NASA-CASE-NPO-16462-1CU] c 60 N86-24225

PIPES (TUBES)

- Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
- Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
- Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
- Sealed separable connection Patent
[NASA-CASE-NPO-10064] c 15 N71-17693
- Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
- Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
- Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
- Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799

- Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
- Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
- Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
- Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
- Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287
- Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
- Honeycomb core structures of minimal surface tubule sections
[NASA-CASE-ERC-10363] c 18 N72-25541
- Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
- Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
- Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
- Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672
- Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
- Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- Fluid leak indicator
[NASA-CASE-MSC-20783-1] c 35 N86-20756
- Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736
- Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035
- Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613

PISTON ENGINES

- Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574

PISTONS

- Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
- Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
- Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
- Composite piston
[NASA-CASE-LAR-13435-1] c 37 N87-15464

PITCH (INCLINATION)

- Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059

- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
- Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700

PITCHING MOMENTS

- High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N87-14282

PIVOTS

- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492
- Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
- Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288

PLANAR STRUCTURES

- Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764

PLANE WAVES

- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130

PLANETARY ATMOSPHERES

- Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
- Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
- Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

PLANETARY GRAVITATION

- Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394

PLANETARY LANDING

- Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
- Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

PLANETARY ORBITS

- Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
- Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296

PLANETARY RADIATION

- Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880

PLANETARY SURFACES

- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118

PLANTS (BOTANY)

- Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

PLASMA ACCELERATION

- Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688

PLASMA ACCELERATORS

- Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
- Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
- Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
- Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931

PLASMA CONTROL

- Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710

Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

PLASMA CYLINDERS
Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519

PLASMA DENSITY
Focusing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491

PLASMA DIAGNOSTICS
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA DYNAMICS
Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073
Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

PLASMA ENGINES
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694

PLASMA GENERATORS
Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661
Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688
Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625
Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416

PLASMA GUNS
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610

PLASMA JETS
Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426
Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913

PLASMA LAYERS
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284

PLASMA POTENTIALS
Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429

PLASMA PROBES
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747

PLASMA PROPULSION
Method of making dish ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256

PLASMA RADIATION

Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753

PLASMA SHEATHS
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563

PLASMA SPRAYING
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

PLASMA TEMPERATURE
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA-ELECTROMAGNETIC INTERACTION
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

PLASMAS (PHYSICS)
Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073
Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491

PLASMONS
Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768

PLASTIC COATINGS
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727

PLASTIC DEFORMATION
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

PLASTIC TAPES
Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472

PLASTICIZERS
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

PLASTICS
Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803
Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

PLATENS
Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

PLATES (STRUCTURAL MEMBERS)
Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
A method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N86-20128
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630

PLATFORMS
Expandable pallet for space station interface attachments
[NASA-CASE-MSC-21117-1] c 18 N87-18597

PLATING
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

PLATINUM
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
Platinum resistance thermometer circuit
[NASA-CASE-MSC-12327-1] c 35 N77-27368

PLATINUM ALLOYS
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

PLAYBACKS
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246

PLENUM CHAMBERS
Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568

PLETHYSMOGRAPHY
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578

PLOTTERS
Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

PLOTTING
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

PLUG NOZZLES
Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

PLUGS
Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

PNEUMATIC CONTROL
Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469

- Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
- Foot pedal operated fluid type exercising device
[NASA-CASE-MS-11561-1] c 05 N73-32014
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
- PNEUMATIC EQUIPMENT**
- High pressure air valve Patent
[NASA-CASE-MS-11010] c 15 N71-19485
- Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- Pneumatic amplifier Patent
[NASA-CASE-MS-12121-1] c 15 N71-27147
- Life raft stabilizer
[NASA-CASE-MS-12393-1] c 02 N73-26006
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
- Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402
- Gas-to-hydraulic power converter
[NASA-CASE-MS-18794-1] c 44 N83-14693
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469
- POINT SOURCES**
- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
- POINTING CONTROL SYSTEMS**
- Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
- All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
- Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- POINTS (MATHEMATICS)**
- Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701
- POLAR ORBITS**
- Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
- POLARIMETERS**
- Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
- Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446
- POLARITY**
- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
- POLARIZATION (WAVES)**
- System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- POLARIZED ELECTROMAGNETIC RADIATION**
- Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
- Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
- Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- Coaxial phased array antenna
[NASA-CASE-MS-16800-1] c 32 N81-14187
- POLARIZED LIGHT**
- Polarization compensator for optical communications
[NASA-CASE-GSC-12272-1] c 74 N76-30053
- Visible and infrared polarization ratio spectroradiometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- POLARIZED RADIATION**
- Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- POLARIZERS**
- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647
- POLES**
- Radial and torsionally controlled magnetic bearing
[NASA-CASE-GSC-12957-1] c 37 N87-17038
- POLISHING**
- Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- POLLUTION CONTROL**
- System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
- Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- POLLUTION MONITORING**
- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
- Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
- Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
- Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
- POLYAMIDE RESINS**
- Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MS-16074-1] c 27 N80-26446
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
- Heat resistant protective hand covering
[NASA-CASE-MS-20261-1] c 54 N84-28484
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- Fire and heat resistant laminating resins based on maleimide and citraconimide substituted 1-(diorgano oxophosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364
- Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- POLYBENZIMIDAZOLE**
- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- POLYBUTADIENE**
- New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
- Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- POLYCARBONATES**
- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- POLYCRYSTALS**
- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- POLYESTERS**
- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
- Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N86-26435
- Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
- Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907
- POLYETHER RESINS**
- Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom
[NASA-CASE-LAR-13262-1] c 23 N85-28973
- Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N86-26435
- POLYIMIDE RESINS**
- Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
- Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
- Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352
- Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 25 N85-30039
- High temperature resistant polyimide from tetra ester, diamine, diester and N-arylnadimide
[NASA-CASE-LEW-13864-1] c 27 N86-19457

- Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
- POLYIMIDES**
- Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
- Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
- Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
- Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
[NASA-CASE-LAR-12858-2] c 27 N85-20124
- Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349
- Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
- Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376
- Process of end-capping a polyimide system
[NASA-CASE-LAR-13135-1] c 27 N86-19456
- High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561
- Polyimides containing ATBN elastomers and the process for preparing same
[NASA-CASE-LAR-13178-1] c 27 N86-20565
- Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
- Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416
- Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N86-25478
- Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434
- Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis --- synthetic routes to monomers for polyimides
[NASA-CASE-LEW-14345-1] c 23 N87-14432
- New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N87-14433
- Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof
[NASA-CASE-LAR-13318-1] c 27 N87-14516
- POLYISOBUTYLENE**
- Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- POLYISOPRENES**
- Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- POLYMER CHEMISTRY**
- Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
- Synthesis of siloxane-containing epoxy polymers
Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
- Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
- Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
- Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
- Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
- Infusible silazane polymer and process for producing same --- protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
- In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- Process for the preparation of polycarboranylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 25 N85-30039
- The 1-(diorganoxyphosphonyl)methyl-2, 4- and -2, 6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499
- Amine terminated bisaspartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis --- synthetic routes to monomers for polyimides
[NASA-CASE-LEW-14345-1] c 23 N87-14432
- New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N87-14433
- POLYMER MATRIX COMPOSITES**
- Intumescent-ablators coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
- POLYMERIC FILMS**
- Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
- Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
- Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361
- Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455
- Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462
- High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561
- A water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755
- Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039
- Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- A method of estimating the molecular weight of polymeric materials
[NASA-CASE-LAR-13212-1] c 27 N87-10206
- POLYMERIZATION**
- New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
- Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235
- Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
- Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-MF-08655] c 06 N71-11239
- Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
- Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-MF-04133] c 06 N71-20717
- Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
- Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
- Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
- Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- Perfluoroalkyl polytriazines containing pendent iodoiodofluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259

The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262

Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

Carboranylcyctriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389

Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396

The 1 - (dialkoxyposphonyl)methyl -2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041

Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322

Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259

Amine terminated bispartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340

Fire resistant polymers based on 1-((dialkoxyposphonyl)methyl)-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702

Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709

Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746

Polymethylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749

Carboranylmethylenesubstituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884

Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348

Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364

Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043

Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376

Polynamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462

Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-2] c 27 N86-21675

Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N86-24840

Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416

Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N86-25477

Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N86-25478

Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450

Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525

Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526

New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N87-14433

The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515

Ethynyl terminated ester oligomers and polymers thereof
[NASA-CASE-LAR-13118-2] c 27 N87-16907

POLYMERS

Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237

Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161

Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620

Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764

Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710

Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715

Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745

Carboranylmethylenesubstituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282

Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434

Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526

A method of estimating the molecular weight of polymeric materials
[NASA-CASE-LAR-13212-1] c 27 N87-10206

POLYMETHYL METHACRYLATE

Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164

Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854

POLYPHENYL ETHER

Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749

POLYPHENYLS

Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749

POLYSACCHARIDES

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

POLYTETRAFLUOROETHYLENE

Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404

Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044

POLYURETHANE FOAM

Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135

Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310

Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436

Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11340-1] c 37 N86-20797

POLYURETHANE RESINS

Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254

Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151

Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099

Polyurethanes from fluoroalkyl propylene glycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100

Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076

Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213

POLYVINYL ALCOHOL

In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481

Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516

In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257

Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615

Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160

Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188

PONDS

Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474

PORCELAIN

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

POROSITY

Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371

POROUS MATERIALS

Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468

Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046

Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137

Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103

Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108

Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692

Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426

Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171

Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176

A water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755

POROUS PLATES

Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197

PORPHYRINS

Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

PORTABLE EQUIPMENT

Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932

Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721

Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
Two-dimensional scanner apparatus --- flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928
Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294
Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581

PORTABLE LIFE SUPPORT SYSTEMS
Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799

PORTS (OPENINGS)
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800

POSITION (LOCATION)
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300

POSITION INDICATORS

Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
Improved legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226

POSITION SENSING

Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099

POSITIONING

Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

POSITIONING DEVICES (MACHINERY)

Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083
Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629

POSITIVE FEEDBACK

Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015

POTABLE WATER

Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
Degassing and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

POTASSIUM SILICATES

Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014

POTENTIOMETERS

Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395

POTENTIOMETERS (INSTRUMENTS)

Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

POTTING COMPOUNDS

Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
Flexible, repairable, pottable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105

POWDER (PARTICLES)

Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561

POWDER METALLURGY

Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
Cermet composition and method of fabrication --- heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550

POWDERED ALUMINUM

Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206

POWER AMPLIFIERS

Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429

POWER CONDITIONING

Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492

POWER CONVERTERS

Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693

POWER EFFICIENCY

Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

SUBJECT INDEX

Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136

Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475

Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194

Linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-2] c 33 N86-21742

POWER FACTOR CONTROLLERS

Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190

Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424

Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886

Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769

Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877

POWER GAIN

Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088

CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273

POWER LIMITERS

Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221

POWER LINES

Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596

Motor run-up system --- power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524

Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397

Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319

Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669

Coaxial tube tether/transmission line for manned nuclear space power
[NASA-CASE-LEW-14338-1] c 20 N87-10174

POWER SERIES

Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693

Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292

POWER SPECTRA

Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177

Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651

POWER SUPPLIES

Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698

Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154

Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391

High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332

Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931

POWER SUPPLY CIRCUITS

Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330

Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888

Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798

Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055

Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057

Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494

Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486

Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449

Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961

Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271

Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543

Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892

Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893

Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338

Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606

Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253

LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732

Integrable power gyrator --- with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428

The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428

Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913

Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330

Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395

Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190

Arc lamp power supply
[NASA-CASE-LAR-13202-1] c 33 N86-32626

POWER TRANSMISSION (LASERS)

Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204

PRECESSION

Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295

PRECIPITATION (CHEMISTRY)

Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

PRECIPITATORS

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

PRECISION

Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

PREFLIGHT OPERATIONS

Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545

PREFORMS

Fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-14517

PRELAUNCH TESTS

Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521

Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566

PREPOLYMERS

Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929

Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514

Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515

Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240

Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

PRESSURE MEASUREMENT

PREPREGS

Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

PRESSURE

Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430

PRESSURE CHAMBERS

Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913

Whole body measurement systems --- for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975

Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399

Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

Weightlessness simulation system and process
[NASA-CASE-ARC-11646-1] c 14 N87-15253

PRESSURE DISTRIBUTION

Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329

Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864

Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399

Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363

Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490

Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932

PRESSURE DROP

Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931

PRESSURE EFFECTS

System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927

Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111

Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686

Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469

Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559

Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532

Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564

PRESSURE GAGES

Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816

Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317

Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755

Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232

Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324

Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366

PRESSURE GRADIENTS

Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994

Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680

PRESSURE HEADS

Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

PRESSURE MEASUREMENT

Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072

Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752

Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232

- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
- Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
- High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
- Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- Device for quick changeover between wind tunnel force and pressure testing
[NASA-CASE-LAR-13512-1] c 35 N87-14675
- PRESSURE REDUCTION**
- Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
- Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
- Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
- PRESSURE REGULATORS**
- Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
- Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922
- High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
- Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
- Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
- High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
- Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
- Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
- Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
- Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873
- PRESSURE SENSORS**
- Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
- Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
- Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
- Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
- Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
- Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405
- Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204
- Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
- Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
- Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
- System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
- Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
- Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
- Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
- Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
- Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
- Electronically scanned pressure sensor module with in SITU calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
- System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483
- Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- PRESSURE SUITS**
- Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
- Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
- Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
- Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
- Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
- Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
- Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803
- PRESSURE SWITCHES**
- Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
- Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392
- PRESSURE VESSELS**
- Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
- Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
- Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
- Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
- Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
- Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
- Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
- Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
- Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 44 N86-25874
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570
- PRESSURE WELDING**
- Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- PRESSURIZING**
- Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
- PRESTRESSING**
- Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
- Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613
- PRETREATMENT**
- Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- PRINTED CIRCUITS**
- Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
- Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
- Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
- Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
- Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
- Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604

SUBJECT INDEX

Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243

Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977

Connector --- for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567

Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400

Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314

PRINTING

Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468

Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930

Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530

PRINTOUTS

Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

PRISMS

Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463

Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848

Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509

PROBABILITY THEORY

System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896

PROBES

Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222

Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478

System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346

Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568

PROCESS CONTROL (INDUSTRY)

Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545

Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350

Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351

Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115

PROCESSING

Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

PRODUCT DEVELOPMENT

Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329

Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330

Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457

High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364

Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835

Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854

PRODUCTION ENGINEERING

Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808

Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597

Method of making self lubricating fluoride- metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105

Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818

Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713

Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046

Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293

Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618

Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320

Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371

Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-17314

Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906

Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314

Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389

Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319

Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731

Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579

Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884

PROJECTILES

Self-obturator, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247

Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931

PROJECTION

Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

PROJECTIVE GEOMETRY

Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

PROJECTORS

Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856

Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413

PROPAGATION MODES

Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676

PROPAGATION VELOCITY

Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441

Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559

PROPARGYL GROUPS

Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746

Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123

PROPELLANT ACTUATED INSTRUMENTS

Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

PROPELLANT ADDITIVES

Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

PROPELLANT BINDERS

Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710

Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

PROPORTIONAL CONTROL

PROPELLANT CASTING

Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213

Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143

PROPELLANT CHEMISTRY

Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

PROPELLANT COMBUSTION

Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381

Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507

PROPELLANT DECOMPOSITION

Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

PROPELLANT GRAINS

Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534

PROPELLANT TANKS

Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910

Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997

Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233

Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275

Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948

Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779

Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651

Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569

Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155

Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185

Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176

Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784

Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787

PROPELLANT TRANSFER

Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492

Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020

Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367

Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635

Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661

Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507

Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023

Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024

Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176

Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787

PROPELLER BLADES

Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856

PROPELLER EFFICIENCY

Over-the-wing propeller
[NASA-CASE-LAR-13134-2] c 07 N87-16828

PROPELLERS

Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733

Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194

High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N87-14282

PROPORTIONAL CONTROL

Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954

PROPULSION SYSTEM CONFIGURATIONS

- Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
- Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
- Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- Apparatus for endoscopic examination --- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725
- Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 05 N86-19310
- Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N86-26368
- Over-the-wing propeller
[NASA-CASE-LAR-13134-2] c 07 N87-16828

PROPULSION SYSTEM PERFORMANCE

- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

PROPYLENE

- Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043

PROSTHETIC DEVICES

- Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
- Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744

PROTECTION

- Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- Lightning discharge protection rod
[NASA-CASE-LAR-13470-1] c 03 N86-26296

PROTECTIVE CLOTHING

- Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
- Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599
- Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
- Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113

PROTECTIVE COATINGS

- Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311

- Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
- Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
- Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
- Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
- Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
- Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
- Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
- Nonflammable coating compositions --- for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- Fused silicate coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
- Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Infusible silazane polymer and process for producing same --- protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238
- Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
- Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
- Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
- Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555

- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
- Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N86-19458
- Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434
- Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039
- Apparatus for producing oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-2] c 27 N86-32569
- Carbide/fluoride/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179
- Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482

PROTECTORS

- Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
- Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706

PROTEINS

- Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086

PROTOCOL (COMPUTERS)

- Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428

PROTON FLUX DENSITY

- Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

PROXIMITY

- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139

PSEUDONOISE

- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
- Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
- Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

PULLEYS

- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834

PULLING

- Universal clamp
[NASA-CASE-MSC-20549-1] c 37 N86-19612

PULMONARY CIRCULATION

- Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

PULMONARY FUNCTIONS

- Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329

PULSE AMPLITUDE

- System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
- Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501
- Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
- Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309
- Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
- Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

PULSE AMPLITUDE MODULATION

- Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418

PULSE CODE MODULATION

- Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
- Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
- Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
- Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
- Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
- Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- Multifunction audio digitizer --- producing direct delta and pulse code modulation
[NASA-CASE-MSC-13855-1] c 35 N74-17885
- Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809
- Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810
- Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
- Compact bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- Method and apparatus for operating on companded PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N86-27513
- PULSE COMMUNICATION**
- Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- Method and apparatus for operating on companded PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N86-27513
- PULSE DURATION**
- Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
- Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
- Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
- PULSE DURATION MODULATION**
- Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390
- Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860
- Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
- Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
- PULSE FREQUENCY MODULATION**
- Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431

- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
- Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
- PULSE GENERATORS**
- High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
- Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
- Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
- Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197
- Method and apparatus for nondestructive testing --- using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395
- Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- PULSE HEATING**
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- PULSE RATE**
- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479
- Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- PULSED LASERS**
- Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
- Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- PULSED RADIATION**
- Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- PULSES**
- High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- PUMP SEALS**
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- PUMPS**
- Piezoelectric pump Patent
[NASA-CASE-NXP-05429] c 26 N71-21824
- Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042

- Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- Magnetocaloric pump --- for cryogenic fluids
[NASA-CASE-LEW-11672-1] c 37 N74-27904
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
- Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N86-20721
- Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N86-32738
- Multi-path peristaltic pump
[NASA-CASE-MSC-20907-1] c 37 N87-18818
- PUNCHED CARDS**
- File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908
- Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
- PUNCHES**
- Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- PURGING**
- Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- PURIFICATION**
- High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1CU] c 35 N86-29174
- PURITY**
- Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
- PUSH-PULL AMPLIFIERS**
- Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- PUSHING**
- Universal clamp
[NASA-CASE-MSC-20549-1] c 37 N86-19612
- PYLONS**
- Decoupler pylon: wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- PYRIDINES**
- Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
- Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560

- Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908
- PYROELECTRICITY**
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- PYROGEN**
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- PYROLYSIS**
Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428
- PYROLYTIC GRAPHITE**
Multislit film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
- PYROLYTIC MATERIALS**
Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623
- PYROMETERS**
Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
- PYROTECHNICS**
Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
- PYRRONES (TRADEMARK)**
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- Q**
- Q SWITCHED LASERS**
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- Q VALUES**
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
- QUADRATIC PROGRAMMING**
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- QUADRATURES**
Automatic quadrature control and measuring system --- using optical coupling circuitry
[NASA-CASE-MFS-21660-1] c 35 N74-21017
- QUALITATIVE ANALYSIS**
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
Analysis of volatile organic compounds --- trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285
- QUANTITATIVE ANALYSIS**
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
Analysis of volatile organic compounds --- trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849

QUANTUM THEORY

- III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- QUARTZ**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633
- QUARTZ LAMPS**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- QUINOXALINES**
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

R

RACKS (FRAMES)

- Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N86-20751

RADAR ANTENNAS

- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
Variable beamwidth antenna --- with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308

RADAR ATTENUATION

- FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264

RADAR BEACONS

- Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

RADAR BEAMS

- Method and apparatus for measuring frequency and phase difference
[NASA-CASE-MSC-20865-1] c 32 N87-18692

RADAR DATA

- Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342

RADAR DETECTION

- Method and apparatus for measuring frequency and phase difference
[NASA-CASE-MSC-20865-1] c 32 N87-18692

RADAR ECHOES

- Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342

RADAR EQUIPMENT

- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264

RADAR IMAGERY

- Method of locating persons in distress --- by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968

- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711
- RADAR MEASUREMENT**
Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- RADAR RANGE**
Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
- RADAR RECEIVERS**
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- RADAR RECEPTION**
Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
- RADAR REFLECTORS**
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Method of locating persons in distress --- by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267
- RADAR TARGETS**
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- RADAR TRACKING**
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- RADAR TRANSMITTERS**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- RADIAL DISTRIBUTION**
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
- RADIAL FLOW**
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
- RADIANCE**
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
- RADIANT COOLING**
Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
Radiative cooler --- spacecraft radiators
[NASA-CASE-NPO-15465-1] c 34 N84-22903
- RADIANT FLUX DENSITY**
High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- RADIANT HEATING**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- RADIATION**
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409

- Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447
- Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
- Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- RADIATION ABSORPTION**
- NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- RADIATION COUNTERS**
- Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322
- Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
- Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
- Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
- Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
- Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328
- Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317
- Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
- Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293
- Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292
- RADIATION DAMAGE**
- Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
- Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- Photomultiplier circuit including means for rapidly reducing the sensitivity thereof --- and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682
- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875
- RADIATION DETECTORS**
- Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348
- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
- Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
- Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
- Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
- Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317
- Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
- High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- Wide angle sun sensor --- consisting of cylinder, insulation and pair of detectors
[NASA-CASE-NPO-13327-1] c 35 N75-23910
- Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551
- Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
- Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127
- RADIATION DISTRIBUTION**
- Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- RADIATION DOSAGE**
- Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
- Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- RADIATION EFFECTS**
- Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
- RADIATION HARDENING**
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- RADIATION HAZARDS**
- Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- RADIATION MEASUREMENT**
- Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447
- RADIATION MEASURING INSTRUMENTS**
- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
- Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
- Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
- Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447
- Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
- Method and apparatus for measuring electromagnetic radiation
[NASA-CASE-LEW-11159-1] c 14 N73-28488
- Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
- Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- RADIATION MEDICINE**
- Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383
- RADIATION PROTECTION**
- Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
- Photomultiplier circuit including means for rapidly reducing the sensitivity thereof --- and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682
- Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036
- RADIATION SHIELDING**
- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
- Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- RADIATION SOURCES**
- Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
- Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
- Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
- High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- RADIATION SPECTRA**
- Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
- RADIATION THERAPY**
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- RADIATION TOLERANCE**
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
- Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875
- RADIATIVE HEAT TRANSFER**
- Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
- Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
- Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
- Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- RADIATORS**
- Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- RADIO ANTENNAS**
- Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
- VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
- Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
- Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
- RADIO ASTRONOMY**
- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
- RADIO BEACONS**
- RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
- Improved legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226
- RADIO COMMUNICATION**
- System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
- RADIO CONTROL**
- RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
- RADIO EQUIPMENT**
- System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

RADIO FREQUENCIES

- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
- Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
- Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
- Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
- RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
- Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
- Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492
- Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
- Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
- Linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-2] c 33 N86-21742
- RADIO FREQUENCY DISCHARGE**
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- RADIO FREQUENCY HEATING**
Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- RADIO FREQUENCY INTERFERENCE**
Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
- Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
- Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N86-24879
- RADIO FREQUENCY SHIELDING**
Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
- RADIO INTERFEROMETERS**
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- RADIO PROBING**
Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846
- RADIO RECEIVERS**
Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
- Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
- Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
- RADIO RELAY SYSTEMS**
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
- Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265

RADIO SIGNALS

- Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
- RADIO SOURCES (ASTRONOMY)**
Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- RADIO STARS**
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- RADIO TELEMETRY**
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- RADIO TELESCOPES**
Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
- RADIO TRANSMITTERS**
Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
- RADIO WAVES**
Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- RADIOACTIVE ISOTOPES**
Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292
- RADIOBIOLOGY**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- RADIOGRAPHY**
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
- Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 74 N86-20126
- RADIOLOGY**
Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- RADIOLYSIS**
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- RADIOMETERS**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
- Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
- Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
- Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
- RADIOSONDES**
Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- RAIN**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- RAMJET ENGINES**
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899

- Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- RAMPS (STRUCTURES)**
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480
- RANDOM ACCESS MEMORY**
Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- RANDOM LOADS**
Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
- RANDOM NOISE**
Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
- Digital servo control of random sound test excitation --- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
- Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
- Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
- RANGE (EXTREMES)**
Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- RANGE FINDERS**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Optical distance measuring instrument
[NASA-CASE-GSC-12761-1] c 74 N86-32266
- RANGEFINDING**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598
- Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
- Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
- Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
- RARE EARTH COMPOUNDS**
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
- High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- RARE GASES**
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- RAREFIED GASES**
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
- RATES (PER TIME)**
Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- RC CIRCUITS**
Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
- Multi-loop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245

- Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- REACTION CONTROL**
Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
- REACTION KINETICS**
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
- REACTION PRODUCTS**
Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N86-25477
- REACTION TIME**
Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- REACTION WHEELS**
Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670
- REACTIVITY**
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
- REACTOR CORES**
Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228
- REACTOR DESIGN**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- REACTOR MATERIALS**
Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- REACTOR PHYSICS**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- READ-ONLY MEMORY DEVICES**
Method and apparatus for operating on companded PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N86-27513
- READERS**
Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N86-25292
- READOUT**
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
- REAL TIME OPERATION**
Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Carbon monoxide monitor --- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348
Real-time garbage collection for list processing
[NASA-CASE-MSC-20964-1] c 60 N87-14863
- Remotely controllable real-time optical processor
[NASA-CASE-NPO-16750-1-CU] c 74 N87-19064
- REBREATHING**
Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- RECEIVERS**
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1CU] c 04 N86-27270
- RECIPROCATION**
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- RECOMBINATION REACTIONS**
Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 44 N86-25874
- RECONSTRUCTION**
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- RECORDING HEADS**
Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
- RECORDING INSTRUMENTS**
Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
- RECOVERABILITY**
Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
- RECOVERABLE LAUNCH VEHICLES**
Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- RECOVERABLE SPACECRAFT**
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
- RECOVERY PARACHUTES**
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- RECTANGULAR PANELS**
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
- RECTIFIERS**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
- Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
- SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- RECTUM**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- REDOX CELLS**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721
Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680
- REDUCED GRAVITY**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
Gas particle radiator
[NASA-CASE-LEW-14297-1] c 35 N87-15452
- REDUCTION (CHEMISTRY)**
Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- REDUNDANCY**
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 80 N82-29013
- REDUNDANT COMPONENTS**
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- REELS**
Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495
Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669
- REENTRY COMMUNICATION**
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
- REENTRY SHIELDING**
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947
Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062

Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442

REENTRY TRAJECTORIES

Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631

REENTRY VEHICLES

Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
Three-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-2] c 27 N76-23426

REFERENCE SYSTEMS

Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247
Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056

REFINING

Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946

REFLECTANCE

Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732

REFLECTED WAVES

Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512

REFLECTING TELESCOPES

Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732

REFLECTION

Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

REFLECTOMETERS

Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687

REFLECTOR ANTENNAS

Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355

REFLECTORS

Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981

Self-erecting reflector Patent

[NASA-CASE-XGS-09190] c 31 N71-16102
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N86-20125
Ultrasonic angle beam standard reflector --- ultrasonic nondestructive inspection
[NASA-CASE-LAR-13153-1] c 71 N86-21276
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138
Self-clamping arc light reflector for welding torch
[NASA-CASE-MFS-29207-1] c 74 N87-15786
Welding torch with arc light reflector
[NASA-CASE-MFS-29134-1] c 74 N87-17493

REFRACTIVITY

The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639

REFRACTORY COATINGS

Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266

REFRACTORY MATERIALS

High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MS-C-18741-1] c 27 N82-29456
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-C-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-C-18736-1] c 24 N83-13172

High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MS-C-18832-1] c 27 N83-18908
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MS-C-18791-1] c 37 N83-36482
High temperature resistant polyimide from tetra ester, diamine, diester and N-arylnadimide
[NASA-CASE-LEW-13864-1] c 27 N86-19457

REFRACTORY METALS

Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748

REFRIGERATING

Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625

REFRIGERATING MACHINERY

Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
Oxygen chemisorption cryogenic refrigerator
[NASA-CASE-NPO-16734-1CU] c 31 N86-27467

REFRIGERATORS

Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082

REGENERATION (ENGINEERING)

Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790

REGENERATION (PHYSIOLOGY)

Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863

REGENERATIVE COOLING

Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968

- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- REGENERATIVE FUEL CELLS**
Electrolytically regenerative hydrogen-oxygen fuel cell
Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- REGENERATORS**
Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- REGISTERS (COMPUTERS)**
Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
Priority interrupt system --- comprised of four registers
[NASA-CASE-NPO-13067-1] c 60 N76-18800
- REINFORCED PLASTICS**
Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- REINFORCEMENT (STRUCTURES)**
Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
- REINFORCING FIBERS**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100
Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
- RELAXATION OSCILLATORS**
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
- RELAY SATELLITES**
Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- RELEASING**
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334
Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613
- RELIABILITY ANALYSIS**
Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
- RELIABILITY ENGINEERING**
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453
- Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
- RELIEF MAPS**
Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711
- RELIEF VALVES**
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- REMOTE CONTROL**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
Cooperative multi-axis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
Apparatus and method of capturing an orbiting satellite
[NASA-CASE-MSC-20979-1] c 37 N86-19614
Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N86-32738
Radial and torsionally controlled magnetic bearing
[NASA-CASE-GSC-12957-1] c 37 N87-17038
Remotely controllable real-time optical processor
[NASA-CASE-NPO-16750-1-CU] c 74 N87-19064
- REMOTE HANDLING**
Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495
Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123
Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
- Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259
Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N87-15260
- REMOTE MANIPULATOR SYSTEM**
Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
Apparatus and method of capturing an orbiting satellite
[NASA-CASE-MSC-20979-1] c 37 N86-19614
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147
- REMOTE SENSING**
Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846
- REMOTE SENSORS**
Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- REMOTELY PILOTED VEHICLES**
Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- REMOVAL**
Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- REPEATERS**
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
- REPLACING**
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
- RESCUE OPERATIONS**
Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
Method of locating persons in distress --- by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267

- Apparatus and method of capturing an orbiting satellite
[NASA-CASE-MS-C-20979-1] c 37 N86-19614
- RESEARCH AIRCRAFT**
Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- RESEARCH AND DEVELOPMENT**
Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
- RESEARCH VEHICLES**
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
- RESIDUAL STRESS**
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MS-C-90153-2] c 05 N72-25120
- RESILIENCE**
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- RESIN BONDING**
Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- RESIN MATRIX COMPOSITES**
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
- RESINS**
Modified polyurethane foams for fuel-fir Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Bonding or repairing process
[NASA-CASE-MS-C-12357] c 15 N73-12489
Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- RESISTANCE**
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MS-C-90153-2] c 05 N72-25120
Variable resistance constant tension and lubrication device --- using oil-saturated leather wiper
[NASA-CASE-KSC-10723-1] c 37 N75-13265
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
- RESISTANCE HEATING**
Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- RESISTORS**
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670
- RESOLUTION**
Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753
- RESOLVERS**
Differential phase shift keyed signal resolver
[NASA-CASE-MS-C-14066-1] c 33 N74-27705
Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055
- RESONANCE**
Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- RESONANT FREQUENCIES**
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
Microbalance --- for measuring particle mass
[NASA-CASE-MS-C-11242] c 35 N78-17358
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
Single mode levitation and translation
[NASA-CASE-NPO-16675-1-CU] c 71 N86-20087
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752
- RESONANT VIBRATION**
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
- RESONATORS**
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
- RESPIRATION**
Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- RESPIRATORS**
Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- RESPIRATORY RATE**
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Respiratory analysis system and method
[NASA-CASE-MS-C-13436-1] c 05 N73-32015
Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728
- RESPIROMETERS**
Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728
- RESPONSES**
Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176
- RESTARTABLE ROCKET ENGINES**
Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
- RESUSCITATION**
Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922
- RETAINING**
Floating nut retention system
[NASA-CASE-MS-C-16938-1] c 37 N80-23653
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
- RETARDERS (DEVICES)**
Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- RETARDING**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
- RETICLES**
Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
Star scanner --- with a reticle with a pair of slits having differing separation
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- RETINAL IMAGES**
Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- RETRACTABLE EQUIPMENT**
Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
CAM controlled retractable door latch
[NASA-CASE-MS-C-20304-1] c 37 N82-31690
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- RETROFIRING**
Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
- RETROREFLECTION**
Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- RETROREFLECTORS**
Interferometer --- high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- RETROCKET ENGINES**
Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645
- REUSABLE HEAT SHIELDING**
High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- REUSABLE SPACECRAFT**
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
Space shuttle vehicle and system
[NASA-CASE-MS-C-12433] c 31 N73-14854
Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 05 N86-19310
- REUSE**
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Reusable captive blind fastener
[NASA-CASE-MS-C-18742-1] c 37 N82-26673
- REVERSE OSMOSIS**
Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361
- REVERSED FLOW**
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
- REYNOLDS NUMBER**
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
- REYNOLDS STRESS**
System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517

RHENIUM

Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

RHEOMETERS

Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357

RHOMBOIDS

Rhombooid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

RIBBONS

Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934

RIBOFLAVIN

Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149

RIBS (SUPPORTS)

Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Thin-element riblet surface
[NASA-CASE-LAR-13553-1] c 34 N87-18778

RICE

Modification of the physical properties of freeze-dried rice
[NASA-CASE-MS-13540-1] c 05 N72-33096

RIDING QUALITY

Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445

RIGID ROTORS

Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029

RIGID STRUCTURES

Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324

RIGID WINGS

Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863

RIMS

Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

RING CURRENTS

Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463

RING STRUCTURES

Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678

Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
A method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N86-20128
Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618

RING WINGS

Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315

RIPPLES

Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

RIVETS

Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960

ROBOTICS

Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 37 N86-20789
Passively activated prehensile digit for a robotic end effector
[NASA-CASE-NPO-16766-1-CU] c 37 N87-14705

ROCKET ENGINE CASES

Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143

ROCKET ENGINE CONTROL

Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124

ROCKET ENGINE DESIGN

Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275

ROCKET ENGINES

Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771

Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420

ROCKET EXHAUST

Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

ROCKET FIRING

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663

ROCKET FLIGHT

Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691

ROCKET LAUNCHING

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663

Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043

ROCKET LININGS

Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573

ROCKET NOZZLES

Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474

ROCKET OXIDIZERS

Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

ROCKET PROPELLANTS

Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809

ROCKET TEST FACILITIES

- High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094

ROCKET THRUST

- Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382

ROCKET VEHICLES

- Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

ROCKET-BORNE INSTRUMENTS

- Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432

ROCKETS

- Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

ROCKS

- Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Rock sampling --- apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068
Rock sampling --- method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

RODS

- Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
Lightning discharge protection rod
[NASA-CASE-LAR-13470-1] c 03 N86-26296
Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N87-19116

ROLL

- Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379

ROLLER BEARINGS

- Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30456
Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
Bearing material --- composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309

ROLLERS

- Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

ROLLING CONTACT LOADS

- Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189

ROLLING MOMENTS

- Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856

ROOM TEMPERATURE

- Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895

ROTARY GYROSCOPES

- Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N86-20129

ROTARY STABILITY

- Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082

ROTARY WING AIRCRAFT

- Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700
High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N87-14282

ROTARY WINGS

- Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

ROTATING BODIES

- Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
Airborne tracking Sun photometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N86-21982

ROTATING CYLINDERS

- Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733
Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037

ROTATING DISKS

- Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697

ROTATING ELECTRICAL MACHINES

- Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999

- Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364

ROTATING ENVIRONMENTS

- Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776

ROTATING GENERATORS

- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828

ROTATING MIRRORS

- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
Multispectral glancing incidence X-ray telescope
[NASA-CASE-MFS-28013-1] c 89 N86-22459

ROTATING SHAFTS

- Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570
Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
Half effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
Spiral groove seal --- for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125
Digital servo controller --- for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932
Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493
Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333

ROTATION

- Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233

ROTOR AERODYNAMICS

- Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107

ROTOR BLADES

- Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515

S

Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057

ROTOR BLADES (TURBOMACHINERY)
Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732

ROTOR LIFT
Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847

ROTOR SPEED
Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904

ROTORCRAFT AIRCRAFT
Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847

ROTORS
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895
Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788
Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700

RUBBER
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

RUBBER COATINGS
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562

RUBY
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

RUBY LASERS
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

RUNWAY ALIGNMENT
Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619

RUNWAY CONDITIONS
Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398

RUNWAY LIGHTS
Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

RUNWAYS
Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398

RUPTURING
Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960

SABOT PROJECTILES

Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

SAFETY
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745

SAFETY DEVICES
Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544
Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801

SAFETY FACTORS
Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527

SAHA EQUATIONS
Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431

SALT BATHS
Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311

SAMARIUM
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

SAMPLERS
Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

SAMPLES
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217

SAMPLING
Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081
Rock sampling --- apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068
Rock sampling --- method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069
Apparatus for microbiological sampling --- including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272
Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384

Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213
Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N86-26190
Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N86-26595

SANDWICH STRUCTURES
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
Multiwall thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417

SAPPHIRE
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

SATELLITE ANTENNAS
Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340

SATELLITE ATTITUDE CONTROL
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396
Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426
Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

SATELLITE COMMUNICATION
Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390

SATELLITE CONTROL
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729

SATELLITE DESIGN
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081

SATELLITE INSTRUMENTS

- Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- SATELLITE NETWORKS**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- SATELLITE OBSERVATION**
Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- SATELLITE ORBITS**
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- SATELLITE ORIENTATION**
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- SATELLITE PERTURBATION**
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- SATELLITE POWER TRANSMISSION (TO EARTH)**
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- SATELLITE ROTATION**
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352
- SATELLITE TELEVISION**
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- SATELLITE TRACKING**
Tracking receiver Patent
[NASA-CASE-XGS-00679] c 10 N71-21473
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
- SATELLITE TRANSMISSION**
Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195
- SATELLITE-BORNE INSTRUMENTS**
Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- SATELLITE-BORNE PHOTOGRAPHY**
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861
Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- SATURABLE REACTORS**
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- SATURATION**
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- SAWS**
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- SAWTOOTH WAVEFORMS**
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- SCANNERS**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539

- Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
Two-dimensional scanner apparatus --- flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- SCANNING**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- SCATTERING CROSS SECTIONS**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- SCENE ANALYSIS**
Simulator scene display evaluation device
[NASA-CASE-ARC-11504-1] c 09 N86-32447
- SCHLIEN PHOTOGRAPHY**
System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- SCHMIDT CAMERAS**
Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- SCHMIDT TELESCOPES**
Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
- SCHOOLS**
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- SCHOTTKY DIODES**
High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150
- SCOOPS**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- SCORING**
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- SCRAMBLING (COMMUNICATION)**
Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- SCREWS**
Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289
- SCRUBBERS**
High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1CU] c 35 N86-29174
- SEA ICE**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- SEA STATES**
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- SEA SURFACE TEMPERATURE**
Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- SEALERS**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- SEALING**
Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633
- SEALS (STOPPERS)**
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570
Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
Spiral groove seal --- for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
High speed, self-acting shaft seal --- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631

Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482

Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090

Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318

Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474

Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475

Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469

Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658

Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711

Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MS-C-18134-1] c 37 N81-15363

Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442

Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MS-C-18422-1] c 37 N82-16408

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453

Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744

Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957

Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788

Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N86-32740

SEAMS (JOINTS)

Traveling sealer for contoured table
[NASA-CASE-XLA-01494] c 15 N71-24164

Omnidirectional joint
[NASA-CASE-XMS-09635] c 05 N71-24623

Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301

SEAT BELTS

Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915

SEATS

Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228

Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394

Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797

SECONDARY EMISSION

Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587

SECTORS

Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921

SECURITY

Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559

Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299

Random digital encryption secure communication system
[NASA-CASE-MS-C-16462-1] c 32 N82-31583

Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272

SEGMENTS

Method and apparatus for making curved reflectors
[NASA-CASE-XLE-08917] c 15 N71-15597

SEISMIC WAVES

Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794

Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555

SEISMOGRAPHS

Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272

SELECTORS

Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777

Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

SELF ALIGNMENT

Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238

Electrical self-aligning connector --- orbital servicer vehicles
[NASA-CASE-MFS-25211-2] c 33 N84-14423

SELF ERECTING DEVICES

Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135

Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296

Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676

Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579

Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102

Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658

Foldable self-erecting joint
[NASA-CASE-MS-C-20635-1] c 18 N87-14373

SELF FOCUSING

Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355

SELF LUBRICATING MATERIALS

Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710

Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984

Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482

Carbide/fluoride/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179

SELF LUBRICATION

Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916

SELF MANEUVERING UNITS

Hand-held self-manuevering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336

Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

SELF PROPAGATION

Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291

SELF SEALING

Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845

Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442

Self-compensating solenoid valve
[NASA-CASE-ARC-11620-1] c 37 N86-21859

SELF TESTS

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

SEMICONDUCTOR DEVICES

Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926

Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422

A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148

Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819

Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560

Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607

Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354

Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721

Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407

Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798

Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892

Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899

Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672

Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126

Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992

Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820

Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199

Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447

Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679

Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446

Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469

Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049

Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390

Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650

Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280

Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763

Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765

Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112

Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113

Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251

Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906

Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492

Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922

SEMICONDUCTOR JUNCTIONS

Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027

Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334

Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532

High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764

Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530

Method of measuring field funneling and range straggling in semiconductor charge-collecting junctions
[NASA-CASE-NPO-16584-1-CU] c 76 N86-25269

SEMICONDUCTORS (MATERIALS)

Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460

System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-C-12259-1] c 07 N70-12616

High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042

Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818

- Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
Vapor deposition apparatus --- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
Floating emitter solar cell junction transistor
[NASA-CASE-NPO-16467-1-CU] c 33 N86-24908
Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760
Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004
Method for growing low defect, high purity crystalline layers utilizing lateral overgrowth of a patterned mask
[NASA-CASE-NPO-15813-2] c 76 N87-15882
- SENSITIVITY**
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1CU] c 76 N87-15883
- SENSITOMETRY**
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
- SENSORS**
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- SENSORY PERCEPTION**
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- SEPARATED FLOW**
Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- SEPARATORS**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N77-25530
Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- SEQUENCING**
Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- SEQUENTIAL ANALYSIS**
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144
- SEQUENTIAL COMPUTERS**
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- SEQUENTIAL CONTROL**
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
- Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- SERUMS**
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- SERVICE LIFE**
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- SERVOAMPLIFIERS**
Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147
- SERVOCONTROL**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
Digital servo controller --- for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556
Digital servo control of random sound test excitation --- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Servo-controlled intravitral microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604
- SERVOMECHANISMS**
Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
Universal clamp
[NASA-CASE-MSC-20549-1] c 37 N86-19612
- SERVOMOTORS**
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563

SUBJECT INDEX

Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629

SEWAGE TREATMENT
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654

SHADES
Sun shield
[NASA-CASE-MS-C-20162-1] c 37 N87-17036

SHAFTS (MACHINE ELEMENTS)
Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
Sequencing device utilizing planetary gear set
[NASA-CASE-MS-C-19514-1] c 37 N79-20377
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055
Non-backdrivable free wheeling coupling
[NASA-CASE-MS-C-20475-1] c 37 N87-17037

SHAKERS
Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598

SHALE OIL
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428

SHALES
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012

SHAPE CONTROL
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789

SHAPE MEMORY ALLOYS
Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604

SHAPED CHARGES
Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008

SHAPERS

Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721

SHARKS
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545

SHARPNESS
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

SHEAR CREEP
Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781

SHEAR FLOW
Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578

SHEAR PROPERTIES
Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584

SHEAR STRESS
Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064

SHEARING
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

SHELL ANODES
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256

SHELLS (STRUCTURAL FORMS)
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860

SHIELDING
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679

SHIFT REGISTERS
Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144
Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MS-C-14070-1] c 32 N74-32598
Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373
Selective data segment monitoring system --- using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760
Digital data reformatter/serializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

SHOCK ABSORBERS
Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850

SHORT CIRCUITS

Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
Energy absorbing structure Patent Application
[NASA-CASE-MS-C-12279-1] c 15 N70-35679
Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654
Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
Articulated multiple couch assembly Patent
[NASA-CASE-MS-C-11253] c 05 N71-12343
Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
Low onset rate energy absorber
[NASA-CASE-MS-C-12279] c 15 N72-17450
Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

SHOCK LOADS
Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612

SHOCK MEASURING INSTRUMENTS
Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390

SHOCK RESISTANCE
Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957

SHOCK TUBES
Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071

SHOCK WAVE INTERACTION
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563

SHOCK WAVE LUMINESCENCE
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896

SHOCK WAVE PROFILES
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975

SHOCK WAVES
Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431

SHOES
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380

SHORT CIRCUITS
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

SHOT PEENING

Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

SHOULDER

Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620
Shoulder and hip joints for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N86-29507

SHROUDED NOZZLES

Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121

SHROUDED TURBINES

Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N86-32740

SHROUDES

Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N86-32740

SHUTTERS

High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

SHUTTLE DERIVED VEHICLES

Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787

SIDE INLETS

Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

SIDE BANDS

Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N86-20779

SIDELOBE REDUCTION

Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

SIGNAL ANALYSIS

Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N88-13323
Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304
Acoustic emission frequency discrimination
[NASA-CASE-MSC-20467-1] c 35 N87-14676

SIGNAL ANALYZERS

System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240

Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

SIGNAL DETECTION

Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952

SIGNAL DETECTORS

Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
Tnac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190

SIGNAL DISTORTION

Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

SIGNAL ENCODING

Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
Treillis coded modulation for transmission over fading mobile-satellite channel
[NASA-CASE-NPO-16904-1-CU] c 32 N87-18691

SIGNAL FADING

Trellis coded modulation for transmission over fading mobile-satellite channel
[NASA-CASE-NPO-16904-1-CU] c 32 N87-18691

SIGNAL GENERATORS

Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150
Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165

Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
Digital servo control of random sound test excitation --- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681
Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N86-20779

SIGNAL MEASUREMENT
Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670

SIGNAL MIXING
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308

SIGNAL PROCESSING
Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142

Variable frequency nuclear magnetic resonance spectrometer Patent [NASA-CASE-XNP-09830] c 14 N71-26266

Digital modulator and demodulator Patent [NASA-CASE-ERC-10041] c 08 N71-29138

Digital pulse width selection circuit Patent [NASA-CASE-XLA-07788] c 09 N71-29139

Phase shift circuit apparatus [NASA-CASE-ARC-10269-1] c 10 N72-16172

Contourograph system for monitoring electrocardiograms [NASA-CASE-MS-C-13407-1] c 10 N72-20225

Recorder using selective noise filter [NASA-CASE-ERC-10112] c 07 N72-21119

Logarithmic function generator utilizing an exponentially varying signal in an inverse manner [NASA-CASE-ERC-10267] c 09 N72-23173

Flexible computer accessed telemetry [NASA-CASE-NPO-11358] c 07 N72-25172

Data processor with conditionally supplied clock signals [NASA-CASE-GSC-10975-1] c 08 N73-13187

Multichannel telemetry system [NASA-CASE-NPO-11572] c 07 N73-16121

Measurement system [NASA-CASE-MFS-20658-1] c 14 N73-30386

Digital to analog conversion apparatus [NASA-CASE-MSC-12458-1] c 08 N73-32081

Fluid pressure amplifier and system [NASA-CASE-LAR-10868-1] c 33 N74-11050

Low level signal limiter [NASA-CASE-XLE-04791] c 32 N74-22096

Miniature multichannel biotelemetry system [NASA-CASE-NPO-13065-1] c 52 N74-26625

Apparatus and method for processing Korotkov sounds --- for blood pressure measurement [NASA-CASE-MSC-13999-1] c 52 N74-26626

Pulse stretcher for narrow pulses [NASA-CASE-MSC-14130-1] c 33 N74-32711

Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components [NASA-CASE-ARC-10466-1] c 60 N75-13539

Signal conditioning circuit apparatus --- with constant input impedance [NASA-CASE-ARC-10348-1] c 33 N75-19518

Television noise reduction device [NASA-CASE-MSC-12607-1] c 32 N75-21485

Isolated output system for a class D switching-mode amplifier [NASA-CASE-MFS-21616-1] c 33 N75-30429

Compact-bi-phase pulse coded modulation decoder [NASA-CASE-KSC-10834-1] c 33 N76-14371

Filtering device --- removing electromagnetic noise from voice communication signals [NASA-CASE-MFS-22729-1] c 32 N76-21366

System for measuring Reynolds in a turbulently flowing fluid --- signal processing [NASA-CASE-ARC-10755-2] c 34 N76-27517

Three phase full wave dc motor decoder [NASA-CASE-GSC-11824-1] c 33 N77-26386

Apparatus for determining thermophysical properties of test specimens [NASA-CASE-LAR-11883-1] c 09 N77-27131

Analog to digital converter for two-dimensional radiant energy array computers [NASA-CASE-GSC-11839-3] c 60 N77-32731

Hearing aid malfunction detection system [NASA-CASE-MSC-14916-1] c 33 N78-10375

Swept group delay measurement [NASA-CASE-NPO-13909-1] c 33 N78-25319

Quadrature demodulation [NASA-CASE-GSC-12137-1] c 33 N78-32338

Bit error rate measurement above and below bit rate tracking threshold [NASA-CASE-MSC-12743-1] c 32 N79-10263

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-1] c 32 N79-19195

Electrochemical detection device --- for use in microbiology [NASA-CASE-LAR-11922-1] c 25 N79-24073

Scannable beam forming interferometer antenna array system [NASA-CASE-GSC-12365-1] c 32 N80-28578

System for plotting subsoil structure and method therefor [NASA-CASE-NPO-14191-1] c 31 N80-32584

CCD correlated quadruple sampling processor [NASA-CASE-NPO-14426-1] c 33 N81-27396

Interleaving device [NASA-CASE-GSC-12111-2] c 33 N81-29342

Reconfiguring redundancy management [NASA-CASE-MSC-18498-1] c 60 N82-29013

Discriminator aided phase lock acquisition for suppressed carrier signals [NASA-CASE-NPO-14311-1] c 33 N82-29539

Serial data correlator/code translator [NASA-CASE-KSC-11025-1] c 32 N83-13323

Interferometric angle monitor [NASA-CASE-GSC-12614-1] c 74 N83-32577

Real time pressure signal system for a rotary engine [NASA-CASE-LEW-13622-1] c 07 N84-22559

Digital interface for bi-directional communication between a computer and a peripheral device [NASA-CASE-MSC-20258-1] c 60 N84-28492

Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter [NASA-CASE-NPO-15519-1] c 32 N84-34651

Processing circuit with asymmetry corrector and convolutional encoder for digital data [NASA-CASE-MSC-20187-1] c 33 N85-20249

Method and apparatus for telemetry adaptive bandwidth compression [NASA-CASE-MSC-20821-1] c 17 N86-20466

Optical stereo video signal processor [NASA-CASE-MFS-25752-1] c 74 N86-21348

Frequency domain laser velocimeter signal [NASA-CASE-LAR-13552-1-CU] c 33 N87-18761

SIGNAL RECEPTION

Radar ranging receiver Patent [NASA-CASE-XNP-00748] c 07 N70-36911

Reflectometer for receiver input impedance match measurement Patent [NASA-CASE-XNP-10843] c 07 N71-11267

Diversity receiving system with diversity phase lock Patent [NASA-CASE-XGS-01222] c 10 N71-20841

Signal detection and tracking apparatus Patent [NASA-CASE-XGS-03502] c 10 N71-20852

Optimum predetection diversity receiving system Patent [NASA-CASE-XGS-00740] c 07 N71-23098

Decoder system Patent [NASA-CASE-NPO-10118] c 07 N71-24741

Antenna array phase quadrature tracking system Patent [NASA-CASE-MSC-12205-1] c 07 N71-27056

Electricity measurement devices employing liquid crystalline materials [NASA-CASE-ERC-10275] c 26 N72-25680

Filter for third order phase locked loops [NASA-CASE-NPO-11941-1] c 10 N73-27171

Ferrofluidic solenoid [NASA-CASE-NPO-11738-1] c 09 N73-30185

Scan converting video tape recorder [NASA-CASE-NPO-10166-2] c 35 N76-16391

Faraday rotation measurement method and apparatus [NASA-CASE-NPO-14839-1] c 35 N82-15381

Method and apparatus for receiving and tracking phase modulated signals [NASA-CASE-MSC-16170-2] c 32 N84-27952

Single frequency multitransmitter telemetry [NASA-CASE-LAR-13006-1] c 17 N87-16863

SIGNAL REFLECTION

Reflectometer for receiver input impedance match measurement Patent [NASA-CASE-XNP-10843] c 07 N71-11267

Reflex feed system for dual frequency antenna with frequency cutoff means [NASA-CASE-NPO-14022-1] c 32 N78-31321

SIGNAL STABILIZATION

Linear accelerator frequency control system Patent [NASA-CASE-XGS-05441] c 10 N71-22962

Digital modulator and demodulator Patent [NASA-CASE-ERC-10041] c 08 N71-29138

System for interference signal nulling by polarization adjustment [NASA-CASE-NPO-13140-1] c 32 N75-24982

Fiber optic transmission line stabilization apparatus and method [NASA-CASE-NPO-15036-1] c 74 N82-19029

SIGNAL TO NOISE RATIOS

System for improving signal-to-noise ratio of a communication signal Patent Application [NASA-CASE-MSC-12259-1] c 07 N70-12616

Radar ranging receiver Patent [NASA-CASE-XNP-00748] c 07 N70-36911

Phase detector assembly Patent [NASA-CASE-XMF-00701] c 09 N70-40272

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent [NASA-CASE-XNP-05254] c 07 N71-20791

Signal ratio system utilizing voltage controlled oscillators Patent [NASA-CASE-XMF-04367] c 09 N71-23545

Recorder using selective noise filter [NASA-CASE-ERC-10112] c 07 N72-21119

Parametric amplifiers with idler circuit feedback [NASA-CASE-LAR-10253-1] c 09 N72-25258

System for improving signal-to-noise ratio of a communication signal [NASA-CASE-MSC-12259-2] c 07 N72-33146

Signal-to-noise ratio determination circuit [NASA-CASE-GSC-11239-1] c 10 N73-25241

Gated compressor, distortionless signal limiter [NASA-CASE-NPO-11820-1] c 32 N74-19788

SIGNAL TRANSMISSION

Time division multiplex system [NASA-CASE-XGS-05918] c 07 N69-39974

Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent [NASA-CASE-XAC-00086] c 09 N70-33182

Bi-carrier demodulator with modulation Patent [NASA-CASE-XMF-01160] c 07 N71-11298

Bi-polar phase detector and corrector for split phase PCM data signals Patent [NASA-CASE-XGS-01590] c 07 N71-12392

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent [NASA-CASE-XNP-05254] c 07 N71-20791

Elimination of frequency shift in a multiplex communication system Patent [NASA-CASE-XNP-01306] c 07 N71-20814

Adaptive tracking notch filter system Patent [NASA-CASE-XMF-01892] c 10 N71-22986

Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent [NASA-CASE-XGS-03632] c 09 N71-23311

Junction range finder [NASA-CASE-KSC-10108] c 14 N73-25461

Television multiplexing system [NASA-CASE-KSC-10654-1] c 07 N73-30115

Controlled oscillator system with a time dependent output frequency [NASA-CASE-NPO-11962-1] c 33 N74-10194

Pulse code modulated signal synchronizer [NASA-CASE-MSC-12462-1] c 32 N74-20809

Pulse code modulated signal synchronizer [NASA-CASE-MSC-12494-1] c 32 N74-20810

Digital transmitter for data bus communications system [NASA-CASE-MSC-14558-1] c 32 N75-21486

Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems [NASA-CASE-GSC-11743-1] c 32 N75-24981

Method and apparatus for background signal reduction in opto-acoustic absorption measurement [NASA-CASE-NPO-13683-1] c 35 N77-14411

Automatic transponder --- measurement of the internal delay time of a transponder [NASA-CASE-GSC-12075-1] c 32 N77-31350

Fiber optic multiplex optical transmission system [NASA-CASE-KSC-11047-1] c 74 N78-14889

Telephone multiline signaling using common signal pair [NASA-CASE-KSC-11023-1] c 32 N79-23310

Precise RF timing signal distribution to remote stations --- fiber optics [NASA-CASE-NPO-14749-1] c 32 N81-14186

Digital numerically controlled oscillator [NASA-CASE-MSC-16747-1] c 33 N81-17349

High stability amplifier [NASA-CASE-GSC-12646-1] c 33 N83-34191

Navigation system and method [NASA-CASE-GSC-12508-1] c 04 N84-22546

Doppler radar having phase modulation of both transmitted and reflected return signals [NASA-CASE-MSC-18675-1] c 32 N84-22820

SIGNATURE ANALYSIS

Multispectral imaging and analysis system --- using charge coupled devices and linear arrays [NASA-CASE-NPO-13691-1] c 43 N79-17288

SILANES

Elastomeric silazane polymers and process for preparing the same Patent [NASA-CASE-XMF-04133] c 06 N71-20717

Process for preparation of dianilinosilanes Patent [NASA-CASE-XMF-06409] c 06 N71-23230

Process for preparation of high-molecular-weight polyaryloxysilanes Patent [NASA-CASE-XMF-08674] c 06 N71-28807

Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers [NASA-CASE-ARC-10915-2] c 27 N79-18052

Thermal protection system [NASA-CASE-MSC-18796-1] c 24 N82-26389

Thermal reactor --- liquid silicon production from silane gas [NASA-CASE-NPO-14369-1] c 44 N83-10501

- Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205
- SILICA GEL**
Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115
- SILICA GLASS**
Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- SILICATES**
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
- SILICIDES**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- SILICON**
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- SILICON CARBIDES**
A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205
Fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-14517
- SILICON COMPOUNDS**
Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Polymerizable disilanol having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
Infusible silazane polymer and process for producing same --- protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
Silicon-slurry/aluminate coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- SILICON CONTROLLED RECTIFIERS**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- SILICON DIOXIDE**
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- SILICON FILMS**
A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- SILICON JUNCTIONS**
Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
- SILICON NITRIDES**
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- SILICON OXIDES**
Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- SILICON POLYMERS**
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205
- SILICON RADIATION DETECTORS**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
- SILICON TRANSISTORS**
Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
- SILICON RESINS**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- SILICONES**
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- SILICONIZING**
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
- SILOXANES**
Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
Silylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof
[NASA-CASE-LAR-13318-1] c 27 N87-14516
- SILVER**
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
Carbide/fluoride/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179
- SILVER ALLOYS**
Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- SILVER CHLORIDES**
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
- SILVER COMPOUNDS**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
- SILVER ZINC BATTERIES**
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422
- SIMULATION**
Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803
- SIMULATORS**
Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223
Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
Laser Doppler velocity simulator --- to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321
Weightlessness simulation system and process
[NASA-CASE-ARC-11646-1] c 14 N87-15253
- SIMULTANEOUS EQUATIONS**
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
- SINE SERIES**
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253

SINE WAVES

- Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387

SINGLE CRYSTALS

- Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
- Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
- Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
- Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760
- Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115

SINTERING

- Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
- Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734

SIZE (DIMENSIONS)

- Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
- Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618

SIZE DETERMINATION

- Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
- Small conductive particle sensor --- microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431

SIZE SEPARATION

- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765

SIZING (SHAPING)

- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650

SIZING SCREENS

- Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
- Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483

SKEWNESS

- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353

SKID LANDINGS

- Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160

SKIN (ANATOMY)

- Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
- Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

SKIN (STRUCTURAL MEMBER)

- Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
- Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

SKIN FRICTION

- Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- Two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N86-32696

SKIN TEMPERATURE (BIOLOGY)

- Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780

SKIN TEMPERATURE (NON-BIOLOGICAL)

- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085

SKIRTS

- Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

SKY BRIGHTNESS

- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

SLEEP

- EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729

SLEEVES

- Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
- System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

SLENDER BODIES

- A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540

SLENDER WINGS

- Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

SLICING

- Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
- System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083

SLIDING CONTACT

- Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
- Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

SLIDING FRICTION

- Bearing material --- composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309

SLIP CASTING

- Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076

SLITS

- Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
- Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

SLOPES

- Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPC-11103-1] c 35 N77-27367
- Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136

SLOT ANTENNAS

- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

SLOTS

- Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
- Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
- Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

SLUDGE

- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

SLURRIES

- Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795

SLURRY PROPELLANTS

- Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382

SMOKE

- Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

SODIUM CHLORIDES

- Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644

SODIUM VAPOR

- Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231

SOFT LANDING

- Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
- Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
- Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

SOFT LANDING SPACECRAFT

- Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159

SOIL MECHANICS

- Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367

SOIL MOISTURE

- Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

SOIL SCIENCE

- Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
- System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

SOILS

- Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483
- Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

SOL-GEL PROCESSES

- Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

SOLAR ACTIVITY

- Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432

SOLAR ARRAYS

- Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
- Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
- Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- Method of making silicon solar cell array --- and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
- Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
- Closed loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
- Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- SOLAR CELLS**
- Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
- Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
- Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
- Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
- Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
- Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
- Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
- Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
- Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
- Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
- Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
- Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
- Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
- Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062

- Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
- Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
- Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
- Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
- Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- Method of making silicon solar cell array --- and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
- Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
- Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
- Solar cell assembly --- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571
- High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
- Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541
- Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
- Method for fabricating solar cells having integrated collector grits
[NASA-CASE-LEW-12819-2] c 44 N79-18444
- Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
- Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
- Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
- Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
- Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- Floating emitter solar cell junction transistor
[NASA-CASE-NPO-16467-1-CU] c 33 N86-24908
- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875
- High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399
- SOLAR COLLECTORS**
- Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582
- Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
- Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
- Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
- Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
- Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
- Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471
- Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
- Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
- Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
- Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706

- Scalloped-geometry solar concentrator
[NASA-CASE-MSC-21061-1] c 44 N87-18921
- SOLAR ELECTRIC PROPULSION**
Closed loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- SOLAR ENERGY**
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
Solar energy power system --- using Freon
[NASA-CASE-MFS-21628-1] c 44 N75-32581
Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- SOLAR ENERGY ABSORBERS**
Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657
Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- SOLAR ENERGY CONVERSION**
Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- SOLAR FLUX DENSITY**
Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- SOLAR FURNACES**
High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622

SOLAR GENERATORS

- GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- SOLAR GRAVITATION**
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-NPO-00708] c 14 N70-35394
- SOLAR HEATING**
Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- SOLAR OBSERVATORIES**
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
- SOLAR PONDS (HEAT STORAGE)**
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- SOLAR POSITION**
Sun angle calculator
[NASA-CASE-MSC-12617-1] c 35 N76-29552
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- SOLAR POWERED AIRCRAFT**
Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154
- SOLAR RADIATION**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
Wide angle sun sensor --- consisting of cylinder, insulation and pair of detectors
[NASA-CASE-NPO-13327-1] c 35 N75-23910
Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- SOLAR RADIATION SHIELDING**
High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036
- SOLAR RADIO EMISSION**
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- SOLAR REFLECTORS**
Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432

- Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
- SOLAR SAILS**
Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- SOLAR SENSORS**
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Space vehicle attitude control Patent
[NASA-CASE-NPO-00465] c 21 N70-35395
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
Airborne tracking Sun photometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N86-21982
- SOLAR SIMULATORS**
High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- SOLAR-PUMPED LASERS**
Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- SOLDERED JOINTS**
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
- SOLDERING**
Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- SOLDERS**
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- SOLENOID VALVES**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
Remote fire stack igniter --- with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378
Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
Self-compensating solenoid valve
[NASA-CASE-ARC-11620-1] c 37 N86-21859
- SOLENOIDS**
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861
Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976

Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357

Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152

SOLID CRYOGEN COOLING
Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

SOLID ELECTRODES
Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422

SOLID LUBRICANTS
Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
Carbide/fluoride/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179

SOLID PHASES
Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

SOLID PROPELLANT IGNITION
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

SOLID PROPELLANT ROCKET ENGINES
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784

SOLID PROPELLANTS
Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710

SOLID ROCKET BINDERS

Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

SOLID ROCKET PROPELLANTS

Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699
Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

SOLID STATE

Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578

SOLID STATE DEVICES

Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
Space-charge-limited solid-state triode
[NASA-CASE-NPO-13064-1] c 33 N79-11314
Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768

SOLID SURFACES

Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

SOLID WASTES

Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MSC-14831-1] c 25 N78-10225

SOLID-SOLID INTERFACES

Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

SOLIDIFICATION

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125

SOLIDIFIED GASES

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

SOLIDS FLOW

Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

SOLUBILITY

Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800

SOLUTES

Specific wavelength colorimeter --- for measuring given solute concentration in test sample
[NASA-CASE-MSC-14081-1] c 35 N74-27860

SOLUTION

Polyimides containing ATBN elastomers and the process for preparing same
[NASA-CASE-LAR-13178-1] c 27 N86-20565

SOLUTIONS

Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968

SOLVENT EXTRACTION

Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
Infusion extractor
[NASA-CASE-MSC-20761-1] c 37 N87-15465

SOLVENTS

Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
Polyimides containing ATBN elastomers and the process for preparing same
[NASA-CASE-LAR-13178-1] c 27 N86-20565

SONAR

Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

SONIC BOOMS

Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232

SORBATES

Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465

SORET COEFFICIENT

Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187

SOUND GENERATORS

Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

SUBJECT INDEX

SOUND LOCALIZATION

Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

SOUND PRESSURE

Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867

SOUND PROPAGATION

System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

SOUND RANGING

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

SOUND TRANSDUCERS

Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753
Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752

SOUND WAVES

Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765

SOUNDING ROCKETS

Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853

SPACE CAPSULES

Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675

SPACE CHARGE

Space-charge-limited solid-state triode
[NASA-CASE-NPO-13064-1] c 33 N79-11314

SPACE COMMUNICATION

Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240

SPACE ENVIRONMENT SIMULATION

Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773

Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749

SPACE ERECTABLE STRUCTURES

Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296
Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214
Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
Foldable self-erecting joint
[NASA-CASE-MSC-20635-1] c 18 N87-14373
Space station erectable manipulator placement system
[NASA-CASE-MSC-21096-1] c 18 N87-18596

SPACE EXPLORATION

Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238

SPACE FLIGHT

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449

SPACE FLIGHT FEEDING

Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N85-21595

SPACE INDUSTRIALIZATION

Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

SPACE MAINTENANCE

Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323

SPACE MANUFACTURING

Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

SPACE SHUTTLE PAYLOADS

Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

SPACE MISSIONS

Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017

SPACE NAVIGATION

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630

SPACE ORIENTATION

Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297

SPACE PLATFORMS

Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147

SPACE POWER REACTORS

Coaxial tube tether/transmission line for manned nuclear space power
[NASA-CASE-LEW-14338-1] c 20 N87-10174

SPACE PROBES

Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609

SPACE PROCESSING

Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750
Infusion extractor
[NASA-CASE-MSC-20761-1] c 37 N87-15465
Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679

SPACE RENDEZVOUS

Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605
Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669

SPACE SHUTTLE BOOSTERS

Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784

SPACE SHUTTLE ORBITERS

Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
Pre-stressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 16 N84-22601
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886

SPACE SHUTTLE PAYLOADS

Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612

- Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
- SPACE SHUTTLES**
- Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
- Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
- Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
- System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- Adjustable high emittance gap filter --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991
- Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- SPACE SIMULATORS**
- Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
- SPACE STATION POWER SUPPLIES**
- Coaxial tube tether/transmission line for manned nuclear space power
[NASA-CASE-LEW-14338-1] c 20 N87-10174
- SPACE STATIONS**
- Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
- Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N87-15260
- Locking hinge
[NASA-CASE-MSC-21056-1] c 18 N87-18595
- Space station erectable manipulator placement system
[NASA-CASE-MSC-21096-1] c 18 N87-18596
- Expandable pallet for space station interface attachments
[NASA-CASE-MSC-21117-1] c 18 N87-18597
- SPACE STORAGE**
- Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991
- SPACE SUITS**
- Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
- Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
- Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
- Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599
- Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
- Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
- Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
- Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618
- Elbow and knee joint for hard space suits
[NASA-CASE-ARC-11610-1] c 54 N86-28619
- Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620
- Shoulder and hip joints for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N86-29507
- Weightlessness simulation system and process
[NASA-CASE-ARC-11646-1] c 14 N87-15253
- SPACE TOOLS**
- Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- SPACE TRANSPORTATION SYSTEM**
- Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
- Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787
- SPACE VEHICLE CHECKOUT PROGRAM**
- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- SPACEBORNE EXPERIMENTS**
- Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679
- SPACEBORNE TELESCOPES**
- Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015
- Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
- Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 74 N86-20124
- SPACECRAFT**
- Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
- Altitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
- Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
- High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
- Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- SPACECRAFT ANTENNAS**
- Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
- Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169
- Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- SPACECRAFT CABIN ATMOSPHERES**
- Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
- Nonflammable coating compositions --- for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- SPACECRAFT COMMUNICATION**
- Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
- Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- VHF/UHF parasitic probe antenna Patent
[NASA-CASE-KKS-09340] c 07 N71-24614
- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
- Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
- Trellis coded modulation for transmission over fading mobile-satellite channel
[NASA-CASE-NPO-16904-1-CU] c 32 N87-18691
- SPACECRAFT COMPONENTS**
- Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
- Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
- Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912
- Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
- Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
- Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
- Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
- Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
- Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397

SUBJECT INDEX

Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605

Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 05 N86-19310

SPACECRAFT CONFIGURATIONS

Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536

Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924

Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854

Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329

Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612

Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784

SPACECRAFT CONSTRUCTION MATERIALS

Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747

Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149

Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434

SPACECRAFT CONTROL

Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158

Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395

Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943

Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631

Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856

Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771

Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132

Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159

Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583

Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642

Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098

Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081

Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173

Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766

Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595

All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

Three axis attitude control system
[NASA-CASE-GSC-12970-1] c 08 N86-20396

Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N86-26368

SPACECRAFT DESIGN

Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966

Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664

Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080

Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222

Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679

Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680

Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730

Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912

Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434

Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859

Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329

Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185

Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429

Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612

Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 05 N86-19310

SPACECRAFT DOCKING

Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346

Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912

Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162

Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876

Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903

Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186

Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112

Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483

Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605

Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612

Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613

Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669

SPACECRAFT ELECTRONIC EQUIPMENT

Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391

Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647

Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

Electrical self-aligning connector --- orbital servicing vehicles
[NASA-CASE-MFS-25211-2] c 33 N84-14423

Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612

SPACECRAFT ENVIRONMENTS

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649

Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725

Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459

Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853

Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356

SPACECRAFT POSITION INDICATORS

SPACECRAFT GUIDANCE

Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040

Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289

Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

SPACECRAFT INSTRUMENTS

Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907

Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896

Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367

Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813

Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118

Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624

Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513

Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062

Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574

Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026

Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396

Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287

SPACECRAFT LANDING

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861

Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778

Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812

SPACECRAFT LAUNCHING

Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694

Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958

SPACECRAFT LUBRICATION

Carbide/titanium/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179

SPACECRAFT MODELS

Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

SPACECRAFT MODULES

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373

Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730

Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434

Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829

SPACECRAFT MOTION

Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372

SPACECRAFT POSITION INDICATORS

Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490

Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640

SPACECRAFT POWER SUPPLIES

Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320

Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157

Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408

Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446

Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221

Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040

Thermoelectric power system --- for spacecraft
[NASA-CASE-MFS-22002-1] c 44 N76-16612

Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675

Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254

Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421

Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573

Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669

Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744

Coaxial tube tether/transmission line for manned nuclear space power
[NASA-CASE-LEW-14338-1] c 20 N87-10174

SPACECRAFT PROPULSION

Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265

Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931

Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293

Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160

Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179

General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075

Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

SPACECRAFT RADIATORS

Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523

Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461

Radiative cooler --- spacecraft radiators
[NASA-CASE-NPO-15465-1] c 34 N84-22903

Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N86-27593

Gas particle radiator
[NASA-CASE-LEW-14297-1] c 35 N87-15452

SPACECRAFT RECOVERY

Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410

Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630

Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

Apparatus and method of capturing an orbiting satellite
[NASA-CASE-MSC-20979-1] c 37 N86-19614

SPACECRAFT REENTRY

Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938

Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006

Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442

SPACECRAFT SHIELDING

Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679

Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353

Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772

Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156

Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142

Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363

High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448

Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449

Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886

Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335

SPACECRAFT STABILITY

Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082

Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089

Angular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158

Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719

Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064

SPACECRAFT STRUCTURES

Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202

Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238

Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080

Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064

Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890

Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936

Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039

Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487

Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222

Auger attachment method for insulation --- of spacecraft
[NASA-CASE-MSC-12615-1] c 37 N76-19437

Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382

Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718

Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450

Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349

SPACECRAFT TELEVISION

Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273

Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300

Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865

SPACECRAFT TRACKING

Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598

Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813

Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015

Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214

SPACECREWS

Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851

SPACELAB PAYLOADS

Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991

SPALLATION

Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383

SPARK CHAMBERS

Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396

Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471

SPARK GAPS

Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897

Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

SPARK IGNITION

High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925

Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

SPARK PLUGS

High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925

SPATIAL DISTRIBUTION

Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339

SPATIAL FILTERING

Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478

SPATIAL RESOLUTION

Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732

SPECTRAL BANDS

Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 74 N86-29650

SPECTRAL CORRELATION

Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705

SPECTRAL REFLECTANCE

Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040

SPECTRAL SENSITIVITY

Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N86-20777

SPECTRAL SIGNATURES

Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288

SPECTROMETERS

Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599

Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041

Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491

Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392

Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091

Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040

Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245

Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492

Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364

Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563

Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687

Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766

Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705

FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N87-13313

Method of fabricating an imaging X-ray spectrometer
[NASA-CASE-GSC-12956-1] c 35 N87-14671

SPECTROPHOTOMETERS

Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676

- High resolution Fourier
interferometer-spectropolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
- SPECTRORADIOMETERS**
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
- SPECTROSCOPIC ANALYSIS**
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- SPECTRUM ANALYSIS**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- SPECULAR REFLECTION**
Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
- SPEECH BASEBAND COMPRESSION**
Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MSC-20821-1] c 17 N86-20466
- SPEECH RECOGNITION**
Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309
- SPEED CONTROL**
System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070
Low speed phaselock speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- SPEED INDICATORS**
Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- SPEED REGULATORS**
A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- SPHERES**
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- SPHERICAL SHELLS**
Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N87-19116
- SPHERICAL TANKS**
Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
- SPHERICAL WAVES**
Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
- SPHYGMOGRAPHY**
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- SPIKE NOZZLES**
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- SPIKE POTENTIALS**
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- SPILLING**
Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431
- SPIN DYNAMICS**
Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200
- SPIN REDUCTION**
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- SPIN STABILIZATION**
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
Passive dual spin misalignment compensators --- gyro-stabilized device
[NASA-CASE-GSC-11479-1] c 35 N74-28097
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130
Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- SPINDLES**
Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
- SPINE**
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- SPINNERS**
Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- SPIRAL ANTENNAS**
Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- SPIRAL WRAPPING**
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
- SPIRALS (CONCENTRATORS)**
Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- SPIROMETERS**
Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- SPlicing**
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630
- SPLINTS**
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- SPOILERS**
Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- SPORES**
Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178
- SPOT WELDS**
Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- SPRAY CHARACTERISTICS**
Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- SPRAY NOZZLES**
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376
- SPRAYED COATINGS**
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550
- SPRAYERS**
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398
Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
- SPRAYING**
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- SPREAD SPECTRUM TRANSMISSION**
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- SPREADING**
Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
- SPRINGS (ELASTIC)**
Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484

- Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492
- Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797
- Locking hinge
[NASA-CASE-MSC-21056-1] c 18 N87-18595

SPUTTERING

- A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
- Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
- Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N86-19458
- Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587

SQUARE WAVES

- High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596

SQUARES (MATHEMATICS)

- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

SQUEEZE FILMS

- Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490

SQUIBS

- Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

STABILITY

- Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N86-25790
- Optical distance measuring instrument
[NASA-CASE-GSC-12761-1] c 74 N86-32266

STABILITY AUGMENTATION

- Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985

STABILITY TESTS

- Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146

STABILIZATION

- Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

STABILIZED PLATFORMS

- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323

STABILIZERS

- Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396

STABILIZERS (AGENTS)

- Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

STABILIZERS (FLUID DYNAMICS)

- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
- Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
- Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- Fluidic momentum controller
[NASA-CASE-MSC-20906-1] c 18 N86-19344

STABLE OSCILLATIONS

- Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986

STACKS

- Remote fire stack igniter --- with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378

STAGE SEPARATION

- Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
- Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
- Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41679
- Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
- Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
- Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
- Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
- Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488
- Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610

STAGNATION PRESSURE

- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878

STAGNATION TEMPERATURE

- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156

STAINING

- Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677

STAINLESS STEELS

- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- Moving body velocity arresting line --- stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601

STAMPING

- Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491

- Ultrasonic angle beam standard reflector --- ultrasonic nondestructive inspection
[NASA-CASE-LAR-13153-1] c 71 N86-21276

STANDARDS

- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- Ultrasonic angle beam standard reflector --- ultrasonic nondestructive inspection
[NASA-CASE-LAR-13153-1] c 71 N86-21276

STANDING WAVES

- Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
- Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752

STAR TRACKERS

- Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
- Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
- Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157
- Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
- Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Star scanner --- with a reticle with a pair of slits having differing separation
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247

STARK EFFECT

- Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

STARTERS

- Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
- Motor run-up system --- power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360

STARTING

- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

STATIC DISCHARGERS

- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

STATIC FRICTION

- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489

STATIC INVERTERS

- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470

STATIC LOADS

- Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878

STATIC PRESSURE

- Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

STATIONKEEPING

- Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969

STATISTICAL CORRELATION

- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407

STATOR BLADES

- Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544

STATORS

- Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788
Radial and torsionally controlled magnetic bearing
[NASA-CASE-GSC-12957-1] c 37 N87-17038

STEADY STATE

- Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861

STEAM

- Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

STEAM TURBINES

- Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104

STEELS

- Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N86-32556

STEERABLE ANTENNAS

- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264

STEERING

- Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645

STELLAR LUMINOSITY

- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

STELLAR SPECTRA

- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

STENCIL PROCESSES

- Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073

STEPPING MOTORS

- Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

STEREOPHOTOGRAPHY

- Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348

STEREOSCOPIC VISION

- Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728

STEREOSCOPY

- Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920

STERILIZATION

- Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137

Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086

- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

STERILIZATION EFFECTS

- Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200

STIFFENING

- Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214

STIFFNESS

- Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442

STILBENE

- Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908

STIMULATED EMISSION

- Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832

STIRLING CYCLE

- Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404

STIRLING ENGINES

- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

STIRRING

- Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598

STOICHIOMETRY

- Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515

STORAGE

- Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494

STORAGE BATTERIES

- Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

STORAGE STABILITY

- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

STORAGE TANKS

- Expulsion bladder-equipped storage tank structure Patent
[NASA-CASE-XNP-00612] c 11 N70-38182
Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

STOWAGE (ONBOARD EQUIPMENT)

- Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991
Locking hinge
[NASA-CASE-MSC-21056-1] c 18 N87-18595
Expandable pallet for space station interface attachments
[NASA-CASE-MSC-21117-1] c 18 N87-18597

STRAIN GAGE ACCELEROMETERS

- Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
Angular accelerometer Patent
[NASA-CASE-MSC-05936] c 14 N70-41682

STRAIN GAGE BALANCES

- Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656

STRAIN GAGES

- Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019
Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain
[NASA-CASE-WLP-10055-2] c 35 N85-21598
Inductive energy for rapid strain gage attachment
[NASA-CASE-LAR-13237-1] c 35 N86-24960

STRAIN MEASUREMENT

- Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain
[NASA-CASE-WLP-10055-2] c 35 N85-21598

STRAIN RATE

- Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740

Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019

STRAKES
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

STRAPDOWN INERTIAL GUIDANCE
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

STRAPS
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

STRATIGRAPHY
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

STREAMS
Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465

STRESS ANALYSIS
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

STRESS CONCENTRATION
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369

STRESS CORROSION
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616

STRESS MEASUREMENT
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512

STRESS RELAXATION
Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170

STRESS RELIEVING
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

STRESSES
Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

STRETCHERS
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

STRETCHING
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457

STRINGERS
Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N86-31630

STRINGS
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623

STRIP TRANSMISSION LINES
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340

STRUCTURAL ANALYSIS
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

STRUCTURAL DESIGN
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
Fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N86-25752

STRUCTURAL DESIGN CRITERIA
Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793

STRUCTURAL ENGINEERING
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895

STRUCTURAL FAILURE
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563

STRUCTURAL MEMBERS
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N87-14413

STRUCTURAL STABILITY
Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
Deployable M-braced truss structure
[NASA-CASE-LAR-13081-1] c 37 N86-32737

STRUCTURAL VIBRATION
Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

STRUCTURES
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681

STRUTS
Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
Variable length strut with longitudinal compliance and locking capability
[NASA-CASE-MFS-25907-1] c 37 N85-34401

STUDS (STRUCTURAL MEMBERS)
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392

Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968

STYRENES
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043

SUBASSEMBLIES
Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489

SUBCRITICAL FLOW
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800

SUBLIMATION
Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258

SUBMARINES
Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

SUBMERGING
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

SUBMILLIMETER WAVES
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127

SUBMINIATURIZATION
Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530

SUBREFLECTORS
Dish antenna having switchable beamwidth --- with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516

SUBSONIC FLOW
Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

SUBSONIC SPEED
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

SUBSONIC WIND TUNNELS
Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246

SUBSTRATES
Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371

- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-C-18737-1] c 24 N83-13171
Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388
Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
Liquid crystal light valve structures
[NASA-CASE-MS-C-20036-1] c 76 N85-33826
Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- SUBSTRUCTURES**
Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N87-16918
- SUCTION**
Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- SUGARS**
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- SULFATES**
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
- SULFIDES**
Stabilized lanthanum sulphur compounds --- thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- SULFONES**
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 27 N84-22747
Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
[NASA-CASE-LAR-12858-2] c 27 N85-20124
Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-2] c 27 N86-21675
Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N86-25478
Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
- SULFONIC ACID**
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- SULFUR COMPOUNDS**
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147
- SULFUR DIOXIDES**
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MS-C-16258-1] c 45 N79-12584
- SULFURIC ACID**
Synthesis of 2,4,8,10-tetroxaspiro[5.5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187
- SUM RULES**
Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
- SUMPS**
Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- SUN**
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
- SUNGLASSES**
Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096
- SUNLIGHT**
Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
Sun shield
[NASA-CASE-MS-C-20162-1] c 37 N87-17036
- SUPERCHARGERS**
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- SUPERCONDUCTING MAGNETS**
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Stable superconducting magnet --- high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- SUPERCONDUCTIVITY**
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MS-C-12259-2] c 07 N72-33146
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- SUPERCONDUCTORS**
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- SUPERCOOLING**
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- SUPERCRITICAL FLUIDS**
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
- SUPERCRITICAL PRESSURES**
Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- SUPERFLUIDITY**
Helium refining by superfluidity Patent
[NASA-CASE-KNP-00733] c 06 N70-34946
Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- SUPERHEATING**
Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- SUPERHIGH FREQUENCIES**
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- SUPERLATTICES**
Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1-CU] c 76 N87-15883
- SUPERPLASTICITY**
Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- SUPERSONIC AIRCRAFT**
Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
- SUPERSONIC COMBUSTION**
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- SUPERSONIC DRAG**
Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
- SUPERSONIC FLIGHT**
Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
- SUPERSONIC FLOW**
Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
- SUPERSONIC INLETS**
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- SUPERSONIC NOZZLES**
Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- SUPERSONIC SPEED**
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
- SUPERSONIC TRANSPORTS**
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086
- SUPERSONIC WIND TUNNELS**
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- SUPPLYING**
Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800
- SUPPORT INTERFERENCE**
Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404

SUPPORT SYSTEMS

- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
- Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
- Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
- Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
- Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254

SUPPORTS

- A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
- Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
- Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
- Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
- Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
- Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
- Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
- Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
- Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
- Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448
- Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294
- Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594
- Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314

SUPPRESSORS

- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

SURFACE ACOUSTIC WAVE DEVICES

- Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919

SURFACE CRACKS

- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

SURFACE DEFECTS

- Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
- Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879

SURFACE DIFFUSION

- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

SURFACE FINISHING

- Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

Device and method for determining X ray reflection efficiency of optical surfaces

- [NASA-CASE-MFS-20243] c 23 N73-13662
- Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225
- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- A method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N86-20128
- Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N86-32556
- Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587

SURFACE IONIZATION

- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457

SURFACE LAYERS

- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039

SURFACE PROPERTIES

- Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
- Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Apparatus for microbiological sampling --- including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272
- Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N86-32698
- Thin-element riblet surface
[NASA-CASE-LAR-13553-1] c 34 N87-18778

SURFACE REACTIONS

- Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
- Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N86-20780

SURFACE ROUGHNESS

- Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
- Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440

Ion sputter textured graphite --- anode collector plates in electron tube devices

- [NASA-CASE-LEW-12919-1] c 24 N83-10117
- Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565

SURFACE ROUGHNESS EFFECTS

- Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007

SURFACE TEMPERATURE

- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144

SURFACE VEHICLES

- Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
- Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238
- Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
- Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420

SURFACE WAVES

- Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980
- Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282

SURFACES

- Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429

SURFACTANTS

- Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

SURGERY

- Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389

SURGES

- Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
- Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531

SURGICAL INSTRUMENTS

- Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
- Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
- Cutting head for ultrasonic lithotripsy
[NASA-CASE-GSC-12944-1] c 52 N86-19885

SURVIVAL EQUIPMENT

- Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
- Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
- Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

SUSPENDING (HANGING)

- Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310
- Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594

SUSPENSION SYSTEMS (VEHICLES)

- Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

SWEAT

- Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

SWEAT COOLING

- Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075

- Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
- SWEEP CIRCUITS**
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- SWEEP EFFECT**
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- SWEEP FREQUENCY**
Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
- SWELLING**
Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- SWEEP FORWARD WINGS**
High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N87-18561
- SWEEP WINGS**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
- SWIRLING**
Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- SWITCHES**
Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 33 N86-19516
- SWITCHING**
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- SWITCHING CIRCUITS**
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860
Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157
Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243
Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204
Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
Microwave switching power divider --- antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
Active lamp pulse driver circuit --- optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663
Hybrid power semiconductor
[NASA-CASE-LEW-13922-1] c 33 N86-20672
Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673
- SWITCHING THEORY**
Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
- SWIVELS**
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
- SYNCHRONISM**
Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- SYNCHRONIZED OSCILLATORS**
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- SYNCHRONIZERS**
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- SYNCHRONOUS MOTORS**
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Motor run-up system --- power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524
- SYNCHRONOUS SATELLITES**
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Serrrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287

- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Satellite interlace synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- Synchronous orbit battery cycler
[NASA-CASE-GSC-11211-1] c 03 N72-25020
- Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- SYNTHESIS**
- Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
- Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
- Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
- Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
- SYNTHESIS (CHEMISTRY)**
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
- Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
- Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
- Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749
- Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom
[NASA-CASE-LAR-13262-1] c 23 N85-28973
- Synthesis of 2,4,8,10-tetroxaspiro[5.5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187
- Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
- Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455
- Polynamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462
- Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
- Polyimides containing ATBN elastomers and the process for preparing same
[NASA-CASE-LAR-13178-1] c 27 N86-20565
- Perfluoro (imidoylamidine) diamidines
[NASA-CASE-ARC-11402-3] c 23 N86-21582
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-2] c 27 N86-21675
- Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
- Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525
- Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis --- synthetic routes to monomers for polyimides
[NASA-CASE-LEW-14345-1] c 23 N87-14432
- New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N87-14433
- The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515
- Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof
[NASA-CASE-LAR-13318-1] c 27 N87-14516
- Preparation of B-Trichloroborazine
[NASA-CASE-ARC-11643-1-SB] c 23 N87-15275
- Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907
- SYNTHESIZERS**
- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- SYNTHETIC APERTURE RADAR**
- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711
- SYNTHETIC FIBERS**
- Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MS-C-12109] c 18 N71-26285
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
- Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MS-C-14331-3] c 27 N78-32262
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- SYNTHETIC FUELS**
- Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- SYNTHETIC RESINS**
- Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
- SYNTHETIC RUBBERS**
- Process for the preparation of polycarbonarylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- SYRINGES**
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
- SYSTEM EFFECTIVENESS**
- System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- SYSTEM FAILURES**
- Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
- Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MS-C-12531-1] c 35 N75-30504
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- SYSTEMS ANALYSIS**
- Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166
- SYSTEMS ENGINEERING**
- Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
- Gravity stabilized flying vehicle Patent
[NASA-CASE-MS-C-12111-1] c 02 N71-11039
- Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
- Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
- Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
- Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
- Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
- Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
- Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
- Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
- Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969
- Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
- Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
- Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
- Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
- Broadband modified turnstile antenna Patent
[NASA-CASE-MS-C-12209] c 09 N71-24842

Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843

BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890

Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891

Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903

Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904

Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975

Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787

Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788

Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364

Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031

Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032

Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624

Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414

Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595

Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495

Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386

Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397

System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132

Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866

Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124

Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502

Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78 25119

Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526

Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481

Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716

System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447

Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N86-20778

SYSTEMS INTEGRATION

Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017

T

TABS (CONTROL SURFACES)

Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947

TACHOMETERS

Digital cardiotaachometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896

Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904

Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473

Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436

Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017

TACKINESS

Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532

TAIL ASSEMBLIES

Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408

Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231

TAKEOFF

Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807

Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157

TANGENTS

Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230

TANK GEOMETRY

Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948

TANKERS

Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610

TANKS (COMBAT VEHICLES)

Tank tread assemblies with track-linking mechanism
[NASA-CASE-NPO-16321-1CU] c 37 N87-17034

TANKS (CONTAINERS)

Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285

Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472

Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

TANTALUM

Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646

Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987

Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

TANTALUM ALLOYS

Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483

Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182

TANTALUM CARBIDES

Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

TANTALUM OXIDES

Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761

TAPE RECORDERS

Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467

Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609

Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978

Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420

Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448

Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710

Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001

Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698

Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866

A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613

Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119

Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076

Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

TAPERED COLUMNS

Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658

Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659

TAPES

High intensity casting system
[NASA-CASE-NPO-16901-1-CU] c 31 N87-15327

TARGET ACQUISITION

Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437

Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235

Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160

TARGET RECOGNITION

Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

TARGET SIMULATORS

Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855

Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951

TARGETS

Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319

Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896

Optical distance measuring instrument
[NASA-CASE-GSC-12761-1] c 74 N86-32266

TEETH

Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

TEFLON (TRADEMARK)

Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492

Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

TELECOMMUNICATION

Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266

Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-NPO-10830] c 07 N71-11281

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791

Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118

Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084

Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523

Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582

Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192

Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583

TELEMETRY

Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333

Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090

Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525

Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624

Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840

- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MS-C-20821-1] c 17 N86-20466
- Single frequency multitransmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863

TELEOPERATORS

- Cooperative multiaxis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758

TELEPHONES

- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

TELEPHONY

- Digital communication system
[NASA-CASE-MS-C-13912-1] c 32 N74-30524

TELESCOPES

- Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
- Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- Servo-controlled intravitral microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138

TELETYPEWRITER SYSTEMS

- Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102

TELEVISION CAMERAS

- Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
- Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
- Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- Color television system
[NASA-CASE-MS-C-12146-1] c 07 N72-17109
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
- Optical conversion method --- for spacecraft television
[NASA-CASE-MS-C-12618-1] c 74 N78-17865
- Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- Television camera video level control system
[NASA-CASE-MS-C-18578-1] c 32 N85-21427
- Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647
- Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850

TELEVISION EQUIPMENT

- Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115
- Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
- Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
- Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MS-C-12559-1] c 18 N76-14186
- System for producing chroma signals
[NASA-CASE-MS-C-14683-1] c 74 N77-18893

TELEVISION RECEIVERS

- Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579

TELEVISION RECEPTION

- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117

TELEVISION SYSTEMS

- Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
- Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
- Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
- Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
- Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413

TELEVISION TRANSMISSION

- Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
- Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
- Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485

TELLURIUM

- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226

TEMPERATURE

- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098

TEMPERATURE COMPENSATION

- Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
- Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
- Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- Temperature compensated current source
[NASA-CASE-MS-C-11235] c 33 N78-17294

TEMPERATURE CONTROL

- Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Thermal switch Patent
[NASA-CASE-NPO-00463] c 33 N70-36847
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
- Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
- Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876

TEMPERATURE REGULATION CIRCUIT

- Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MS-C-13917-1] c 05 N72-15098
- Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
- Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
- Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
- Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N87-19116

TEMPERATURE DISTRIBUTION

- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583

TEMPERATURE EFFECTS

- Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
- Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
- Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
- Radiometric temperature reference Patent
[NASA-CASE-MS-C-13276-1] c 14 N71-27058
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
- Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304

TEMPERATURE GRADIENTS

- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598

- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124
- Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N86-19580
- High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750
- TEMPERATURE MEASUREMENT**
- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
- Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
- Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
- Method of fabricating an article with cavities --- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089
- Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N86-32624
- TEMPERATURE MEASURING INSTRUMENTS**
- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
- Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
- Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N86-19580
- TEMPERATURE PROBES**
- Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N86-19580
- TEMPERATURE PROFILES**
- Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
- TEMPERATURE SENSORS**
- Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
- Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N86-32624
- TEMPLATES**
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- TENSILE STRENGTH**
- Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
- Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Device for use in loading tension members --- characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794
- Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841
- Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N86-26414
- TENSILE STRESS**
- Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
- Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- TENSILE TESTS**
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N86-32770
- TENSION**
- Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- TERMINAL GUIDANCE**
- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- TERNARY SYSTEMS**
- Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- TERRAIN**
- Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- TERRAIN ANALYSIS**
- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
- TEST CHAMBERS**
- Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- Autonation test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511
- Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413
- TEST EQUIPMENT**
- Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
- Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
- Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
- Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
- Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
- Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
- Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- Battery testing device --- for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519
- Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

- Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880

TEST FACILITIES

- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245

TEST STANDS

- Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094
Device for quick changeover between wind tunnel force and pressure testing
[NASA-CASE-LAR-13512-1] c 35 N87-14675

TEST VEHICLES

- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768

TETHERED SATELLITES

- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

TETHERING

- Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936

TETHERLINES

- Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
Coaxial tube tether/transmission line for manned nuclear space power
[NASA-CASE-LEW-14338-1] c 20 N87-10174
Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037

TETRAETHYL ORTHOSILICATE

- Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

TETRAPHENYLS

- Metal containing polymers from cyclic tetrameric phenylphosphonitrilamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363

TEXTILES

- Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405

TEXTS

- Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N86-25292

TEXTURES

- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

THERAPY

- Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

THERMAL ABSORPTION

- Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525

THERMAL COMFORT

- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

THERMAL CONDUCTIVITY

- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156

- Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356

THERMAL CONDUCTORS

- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657

THERMAL CONTROL COATINGS

- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331
Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449

THERMAL DEGRADATION

- Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186

THERMAL DIFFUSIVITY

- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

THERMAL EMISSION

- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

THERMAL ENERGY

- Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155

- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389

THERMAL EXPANSION

- Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
High effectiveness contour matching contact heat exchanger
[NASA-CASE-MSC-20840-1] c 34 N87-18779

THERMAL FATIGUE

- Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276

THERMAL INSULATION

- Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
Cryogenic insulation system Patent
[NASA-CASE-XLE-04222] c 23 N71-22881
Insulation system Patent
[NASA-CASE-XLE-02647] c 18 N71-23658
Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
High current electrical lead --- for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683
Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264

Auger attachment method for insulation --- of spacecraft
[NASA-CASE-MSC-12615-1] c 37 N76-19437

Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350

Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221

Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062

Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142

Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317

Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271

Carboranylclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262

Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126

Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841

Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442

THERMAL PLASMAS
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753

THERMAL PROTECTION
Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400

Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623

Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080

Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998

Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858

Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151

Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947

Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383

Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260

Corrosion resistant thermal barrier coating --- protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188

Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389

Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456

Multiwall thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417

High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908

Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795

Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855

Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177

Pre-stressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 16 N84-22601

Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886

Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N86-26368

Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039

Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727

Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N86-32740

THERMAL RADIATION
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484

Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937

High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545

Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145

Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809

Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71-NPO-15494-2] c 35 N85-34373

THERMAL REACTORS
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HON-10841-1] c 73 N78-19920

THERMAL RESISTANCE
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796

Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812

Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652

Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140

Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256

Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215

The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262

Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408

Amine terminated bisapartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340

Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113

Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484

Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266

Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364

High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561

Flexible diaphragm: Extreme temperature usage
[NASA-CASE-MSC-20797-1] c 37 N86-20806

Fire resistant polyamide based on 1-(diorganooxyphosphonyl)methyl-2,4- and -2,6-diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568

Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909

THERMAL SHOCK
Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964

Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

THERMAL SIMULATION
Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481

THERMAL STABILITY
Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

Metal containing polymers from cyclic tetrameric phenylphosphonitridamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363

Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871

Infusible silazane polymer and process for producing same --- protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190

Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307

Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206

Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392

Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259

Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884

High temperature resistant polyimide from tetra ester, diamine, diester and N-arylnadimide
[NASA-CASE-LEW-13864-1] c 27 N86-19457

Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-2] c 27 N86-21675

Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450

THERMAL STRESSES
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587

Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481

Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877

Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057

Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170

Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674

Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285

Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N86-32740

THERMIONIC CATHODES
Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421

THERMIONIC CONVERTERS
Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599

Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421

Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409

Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228

High current electrical lead --- for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683

Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524

Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399

Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175

THERMIONIC DIODES
Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055

Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255

- Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent [NASA-CASE-XNP-00384] c 09 N71-13530
- Power system with heat pipe liquid coolant lines Patent [NASA-CASE-MFS-14114] c 33 N71-27862
- Uninsulated in-core thermionic diode [NASA-CASE-NPO-10542] c 09 N72-27228
- THERMIONIC EMITTERS**
- Thermionic tantalum emitter doped with oxygen Patent Application [NASA-CASE-NPO-11138] c 03 N70-34646
- THERMIONIC POWER GENERATION**
- Control for nuclear thermionic power source [NASA-CASE-NPO-13114-2] c 73 N78-28913
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes [NASA-CASE-LEW-12950-2] c 34 N85-29179
- Thermionic photovoltaic energy converter [NASA-CASE-LEW-14077-1] c 44 N85-34441
- THERMISTORS**
- Matched thermistors for microwave power meters Patent [NASA-CASE-NPO-10348] c 10 N71-12554
- Thermistor holder for skin temperature measurements [NASA-CASE-ARC-10855-1] c 52 N77-10780
- Wedge immersed thermistor bolometers [NASA-CASE-XGS-01245-1] c 35 N79-33449
- THERMOCHEMISTRY**
- Thermochemical generation of hydrogen [NASA-CASE-NPO-15015-1] c 25 N82-28368
- THERMOCROMATIC MATERIALS**
- Heat detection and compositions and devices therefor [NASA-CASE-NPO-10764-1] c 14 N73-14428
- Heat detection and compositions and devices therefor [NASA-CASE-NPO-10764-2] c 35 N75-25122
- THERMOCOUPLE PYROMETERS**
- Dual measurement ablation sensor [NASA-CASE-LAR-10105-1] c 34 N74-15652
- THERMOCOUPLES**
- Heat flux sensor assembly [NASA-CASE-XMS-05909-1] c 14 N69-27459
- Gas cooled high temperature thermocouple Patent [NASA-CASE-XLE-09475-1] c 33 N71-15568
- Weld control system using thermocouple wire Patent [NASA-CASE-MFS-06074] c 15 N71-20393
- Heat sensing instrument Patent [NASA-CASE-XLA-01551] c 14 N71-22989
- Thermocouple assembly Patent [NASA-CASE-XNP-01659] c 14 N71-23039
- Fluid phase analyzer Patent [NASA-CASE-NPO-10691] c 14 N71-26199
- Apparatus for sensing temperature [NASA-CASE-XLE-05230] c 14 N72-27410
- Method of making apparatus for sensing temperature [NASA-CASE-XLE-05230-2] c 14 N73-13417
- Butt welder for fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1] c 15 N73-14468
- Thermocouple tape [NASA-CASE-LEW-11072-1] c 14 N73-24472
- Thermocouple tape --- developed from thermoelectrically different metals [NASA-CASE-LEW-11072-2] c 35 N76-15434
- Thermocouple installation [NASA-CASE-NPO-13540-1] c 35 N77-14409
- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance [NASA-CASE-LEW-12050-1] c 35 N77-32454
- Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance [NASA-CASE-LEW-12174-2] c 35 N79-14346
- Thermocouple, multiple junction reference oven [NASA-CASE-FRC-10112-1] c 35 N81-26431
- Solar energy control system --- temperature measurement [NASA-CASE-MFS-25287-1] c 44 N82-18686
- Joining lead wires to thin platinum alloy films [NASA-CASE-LEW-13934-1] c 35 N83-35338
- THERMODYNAMIC CYCLES**
- Solar engine [NASA-CASE-LAR-12148-1] c 44 N82-24640
- THERMODYNAMIC EFFICIENCY**
- Automatic compression adjusting mechanism for internal combustion engines [NASA-CASE-MSC-18807-1] c 37 N83-36483
- THERMODYNAMIC PROPERTIES**
- Thermal shock apparatus Patent [NASA-CASE-XLE-02024] c 14 N71-22964
- Foamed in place ceramic refractory insulating material Patent [NASA-CASE-XGS-02435] c 18 N71-22998
- Superconducting magnet Patent [NASA-CASE-XNP-06503] c 23 N71-29049
- Cobalt-base alloy [NASA-CASE-LEW-10436-1] c 17 N73-32415
- High stability amplifier [NASA-CASE-GSC-12646-1] c 33 N83-34191
- Chemical approach for controlling nadimide cure temperature and rate [NASA-CASE-LEW-13770-5] c 27 N85-21352
- Fire resistant polyamide based on 1-(diorganoxyphosphonyl)methyl-2,4- and -2,6diamino benzene [NASA-CASE-ARC-11512-2] c 27 N86-32568
- THERMOELECTRIC GENERATORS**
- Protection for energy conversion systems [NASA-CASE-XGS-04808] c 03 N69-25146
- Segmenting lead telluride-silicon germanium thermoelements Patent [NASA-CASE-XGS-05718] c 26 N71-16037
- Integrated thermoelectric generator/space antenna combination [NASA-CASE-XER-09521] c 09 N72-12136
- Thermally cascaded thermoelectric generator [NASA-CASE-NPO-10753] c 03 N72-26031
- THERMOELECTRIC MATERIALS**
- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes [NASA-CASE-XGS-04554] c 15 N69-39786
- Segmenting lead telluride-silicon germanium thermoelements Patent [NASA-CASE-XGS-05718] c 26 N71-16037
- Stabilized lanthanum sulphur compounds --- thermoelectric materials [NASA-CASE-NPO-16135-1] c 25 N83-24572
- THERMOELECTRIC POWER GENERATION**
- Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent [NASA-CASE-XNP-00644] c 03 N70-36803
- Combined electrolysis device and fuel cell and method of operation Patent [NASA-CASE-XLE-01645] c 03 N71-20904
- Thermoelectric power system --- for spacecraft [NASA-CASE-MFS-22002-1] c 44 N76-16612
- THERMOELECTRICITY**
- Thermocouple tape [NASA-CASE-LEW-11072-1] c 14 N73-24472
- Apparatus and method for measuring the Seebeck coefficient and resistivity of materials [NASA-CASE-NPO-11749] c 14 N73-28486
- THERMOLUMINESCENCE**
- Method of detecting oxygen in a gas [NASA-CASE-LAR-10668-1] c 06 N73-16106
- Thermoluminescent aerosol analysis [NASA-CASE-LAR-12046-1] c 25 N78-15210
- THERMOMAGNETIC EFFECTS**
- Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control [NASA-CASE-NPO-11317-2] c 36 N74-13205
- Thermomagnetic recording and magnetic-optic playback system [NASA-CASE-NPO-10872-1] c 35 N79-16246
- THERMOMETERS**
- Platinum resistance thermometer circuit [NASA-CASE-MSC-12327-1] c 35 N77-27368
- Temperature sensitive oscillator [NASA-CASE-GSC-12958-1] c 33 N86-32624
- THERMOPHYSICAL PROPERTIES**
- Methods for determining thermo-physical properties of specimen --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel [NASA-CASE-LAR-11053-1] c 25 N74-18551
- Apparatus for determining thermophysical properties of test specimens [NASA-CASE-LAR-11883-1] c 09 N77-27131
- THERMOPILES**
- Differential temperature transducer Patent [NASA-CASE-XAC-00812] c 14 N71-15598
- Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent [NASA-CASE-XNP-06957] c 14 N71-21088
- Irradiance measuring device [NASA-CASE-NPO-11493] c 14 N73-12447
- THERMOPLASTIC FILMS**
- Advanced inorganic separators for alkaline batteries [NASA-CASE-LEW-13171-1] c 44 N82-29708
- Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter [NASA-CASE-LAR-12881-1] c 27 N84-14323
- Heat sealable, flame and abrasion resistant coated fabric [NASA-CASE-MSC-18382-2] c 27 N84-14324
- Induction heating gun [NASA-CASE-LAR-13181-1] c 31 N85-29083
- THERMOPLASTIC RESINS**
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge [NASA-CASE-ARC-11057-1] c 27 N78-31233
- Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil [NASA-CASE-NPO-08835-1] c 27 N78-33228
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer [NASA-CASE-NPO-14001-1] c 27 N81-14076
- Method of making formulated plastic separators for soluble electrode cells [NASA-CASE-LEW-12358-2] c 25 N82-21268
- One-step dual purpose joining technique [NASA-CASE-LAR-12595-1] c 33 N82-26571
- Advanced inorganic separators for alkaline batteries [NASA-CASE-LEW-13171-1] c 44 N82-29708
- Advanced inorganic separators for alkaline batteries and method of making the same [NASA-CASE-LEW-13171-2] c 44 N83-32176
- Polymethylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins [NASA-CASE-LAR-12838-1] c 27 N83-34040
- Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same [NASA-CASE-LAR-12858-1] c 27 N83-34041
- Ethynyl and substituted ethynyl-terminated polysulfones [NASA-CASE-LAR-12931-1] c 27 N84-22747
- Hot melt adhesive attachment pad [NASA-CASE-LAR-12894-1] c 27 N85-20125
- Phenox resins containing pendent ethynyl groups and cured resins obtained therefrom [NASA-CASE-LAR-13262-1] c 23 N85-28973
- Process for crosslinking and extending conjugated diene-containing polymers [NASA-CASE-LAR-13452-1] c 27 N86-25477
- THERMOPLASTICITY**
- Process for preparing thermoplastic aromatic polyimides [NASA-CASE-LAR-11828-1] c 27 N78-32261
- Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration [NASA-CASE-MSC-18382-1] c 27 N82-16238
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups [NASA-CASE-LAR-12723-2] c 27 N84-22746
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups [NASA-CASE-LAR-12723-1] c 27 N85-20123
- Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone) [NASA-CASE-LAR-12858-2] c 27 N85-20124
- Thermoplastics/thermosetting adhesive specimen bonding [NASA-CASE-LAR-13066-1] c 27 N86-20564
- Copolyimides with a combination of flexibilizing groups [NASA-CASE-LAR-13354-1] c 27 N86-20566
- THERMOREGULATION**
- Garments for controlling the temperature of the body Patent [NASA-CASE-XMS-10269] c 05 N71-24147
- THERMOSETTING RESINS**
- Method for molding compounds Patent [NASA-CASE-XLA-01091] c 15 N71-10672
- Method and apparatus for bonding a plastics sleeve onto a metallic body Patent [NASA-CASE-XLA-01262] c 15 N71-21404
- Honeycomb panel and method of making same Patent [NASA-CASE-XMF-01402] c 18 N71-21651
- Method of forming shapes from planar sheets of thermosetting materials [NASA-CASE-NPO-11036] c 15 N72-24522
- Highly fluorinated polyurethanes [NASA-CASE-NPO-10767-2] c 06 N72-27151
- Evacuated displacement compression molding [NASA-CASE-LAR-10782-1] c 31 N74-14133
- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article [NASA-CASE-LAR-10489-1] c 31 N74-18124
- Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics [NASA-CASE-LAR-10782-2] c 31 N75-13111
- Cork-resin ablative insulation for complex surfaces and method for applying the same [NASA-CASE-MFS-23626-1] c 24 N80-26388
- Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics [NASA-CASE-NPO-10424-1] c 27 N81-24258
- Elastomer toughened polyimide adhesives [NASA-CASE-LAR-12775-1] c 27 N83-28240

Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570

THERMOSTATS
Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602

THICK FILMS
Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762

THICKNESS
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163

THIN FILMS
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
Thin film microwave iris
[NASA-CASE-LAR-10511-1] c 09 N72-29172
Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143
Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161
Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163

Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
A method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N86-20128
Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
High intensity casting system
[NASA-CASE-NPO-16901-1-CU] c 31 N87-15327

THIN PLATES
Dichroic plate --- as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435
Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383

THIN WALLED SHELLS
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577

THIN WALLS
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Sealed separable connection Patent
[NASA-CASE-NPO-10064] c 15 N71-17693
Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
Method of fabricating an article with cavities --- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059

THORIUM FLUORIDES
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332

THORIUM OXIDES
Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

THREADS
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254

THREE AXIS STABILIZATION
Three axis attitude control system
[NASA-CASE-GSC-12970-1] c 08 N86-20396

THREE DIMENSIONAL MOTION
Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942

THRESHOLD GATES
Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730

THRESHOLD LOGIC
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514

THROATS
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123

THRUST AUGMENTATION
Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374
Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
Reversed flow inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

THRUST BEARINGS
Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588

THRUST CHAMBER PRESSURE

Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152

THRUST CHAMBERS

Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
Heat exchanger --- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289

THRUST CONTROL

Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124

THRUST LOADS

Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382

THRUST MEASUREMENT

Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429
Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094

THRUST REVERSAL

Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

THRUST VECTOR CONTROL

Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275

THRUST-WEIGHT RATIO

Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353

THYRISTORS

Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975

- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- TILES**
Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460
Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456
Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335
Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442
- TILT WING AIRCRAFT**
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- TIME CONSTANT**
Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- TIME DEPENDENCE**
Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651
- TIME DISCRIMINATION**
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
- TIME DIVISION MULTIPLEXING**
Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-13088] c 07 N71-24622
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1CU] c 04 N86-27270
- TIME FUNCTIONS**
Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- TIME LAG**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- TIME MEASUREMENT**
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
- TIME MEASURING INSTRUMENTS**
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
- Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
- TIME OF FLIGHT SPECTROMETERS**
Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041
- TIME SERIES ANALYSIS**
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240
Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N86-26595
- TIME SHARING**
Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507
- TIME SIGNALS**
System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- TIMING DEVICES**
Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411
- TIPS**
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- TIRES**
Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- TISSUES (BIOLOGY)**
Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- TITANATES**
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- TITANIUM**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- TITANIUM ALLOYS**
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
- TITANIUM NITRIDES**
Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- TITANIUM OXIDES**
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- TOLERANCES (MECHANICS)**
Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
- TOLUENE**
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- TOMOGRAPHY**
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281
- TOOLS**
Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
Connection system --- insuring against loss of a tool component without using multiple tethers
[NASA-CASE-MSC-20319-1] c 37 N85-21649
- TOOTH DISEASES**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- TOPOGRAPHY**
Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
- TORCHES**
Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
Welding torch with arc light reflector
[NASA-CASE-MFS-29134-1] c 74 N87-17493
- TOROIDAL SHELLS**
Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521
- TOROIDS**
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- TORQUE**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569

- Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- Helicopter anti-torque system using strakes
[NASA-CASE-LAR-12323-1] c 05 N84-33400
- Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200
- Fluidic momentum controller
[NASA-CASE-MSC-20906-1] c 18 N86-19344
- TORQUE MOTORS**
- Low speed phaselock speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
- TORQUEMETERS**
- Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- TORSO**
- Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618
- TOUCH**
- Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
- Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- TOUGHNESS**
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
- TOWERS**
- Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
- TOXICITY**
- Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- TOXICITY AND SAFETY HAZARD**
- Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- TOXICOLOGY**
- Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- TRACE CONTAMINANTS**
- Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
- Method for removing oxygen impurities from cesium
Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1CU] c 35 N86-29174
- TRACE ELEMENTS**
- Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
- Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
- Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- TRACKED VEHICLES**
- Tank tread assemblies with track-linking mechanism
[NASA-CASE-NPO-16321-1CU] c 37 N87-17034
- TRACKING (POSITION)**
- Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Method and apparatus for aligning a laser beam projector
Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- System and method for tracking a signal source --- employing feedback control
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
- TRACKING FILTERS**
- Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- TRACKING RADAR**
- Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Phase-locked loop with sideband rejecting properties
Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
- Radar antenna system for acquisition and tracking
Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- TRACKING STATIONS**
- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- TRAFFIC CONTROL**
- Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888
- TRAILERS**
- Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- TRAILING EDGES**
- Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- TRAILING-EDGE FLAPS**
- Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- TRAINING DEVICES**
- Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193
- TRAINING SIMULATORS**
- Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
- Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
- Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- TRAJECTORY ANALYSIS**
- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
- Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
- TRAJECTORY CONTROL**
- Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- Technique for control of free-flight rocket vehicles
Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
- Apparatus for automatically stabilizing the attitude of a nonrigid vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
- TRANSducers**
- Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
- Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
- Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
- Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
- Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
- Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437
- Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
- Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
- Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
- LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
- Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
- Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
- Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
- Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019
- Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain
[NASA-CASE-WLP-10055-2] c 35 N85-21598
- Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
- Single mode levitation and translation
[NASA-CASE-NPO-16675-1-CU] c 71 N86-20087
- Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N86-24993
- TRANSFER FUNCTIONS**
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- TRANSFORMERS**
- Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-NXP-01193] c 10 N71-16057
- Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
- Unsaturation saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
- Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
- Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295

- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
- Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146
- TRANSIENT HEATING**
- Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- TRANSIENT LOADS**
- Deployable solar cell array
[NASA-CASE-NPO-10883-1] c 31 N72-22874
- TRANSISTOR AMPLIFIERS**
- Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
- TRANSISTOR CIRCUITS**
- Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
- Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
- Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
- Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
- Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- TRANSISTORS**
- Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- TRANSITION FLOW**
- Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
- TRANSITION TEMPERATURE**
- Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
- Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- TRANSITIONAL MOTION**
- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
- Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
- TRANSLATORS**
- Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
- TRANSLUCENCE**
- Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- TRANSMISSION CIRCUITS**
- Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- TRANSMISSION EFFICIENCY**
- Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- TRANSMISSION LINES**
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
- TRANSMISSIONS (MACHINE ELEMENTS)**
- Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- TRANSMISSIONS**
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- TRANSMITTANCE**
- Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- TRANSMITTER RECEIVERS**
- Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
- TRANSMITTERS**
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
- Apparatus for endoscopic examination --- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725
- Single frequency multitransmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863
- TRANSONIC SPEED**
- Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
- TRANSONIC WIND TUNNELS**
- Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
- TRANSPARENCY**
- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039
- Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115
- TRANSPIRATION**
- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- TRANSPONDERS**
- Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15654
- Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304
- TRANSPORTATION**
- Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- TRANSVERSE ACCELERATION**
- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- TRAPS**
- Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
- TRAVELING WAVE AMPLIFIERS**
- Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
- Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
- TRAVELING WAVE MASERS**
- Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
- Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410
- TRAVELING WAVE TUBES**
- Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
- Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
- Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

- Linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-2] c 33 N86-21742
- TRAVELING WAVES**
Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521
- TREADMILLS**
Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- TREADS**
Tank tread assemblies with track-linking mechanism
[NASA-CASE-NPO-16321-1CU] c 37 N87-17034
- TRIGGER CIRCUITS**
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
- TRIGONOMETRY**
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
- TRIMERS**
Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- TRIODES**
Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587
- TRITIUM**
Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728
- TROPOPAUSE**
CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- TRUCKS**
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- TRUSSES**
Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287
Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479
Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N86-31630
Deployable M-braced truss structure
[NASA-CASE-LAR-13081-1] c 37 N86-32737
Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N87-14413
Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N87-15260
- TUBE GRIDS**
Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
- TUBE HEAT EXCHANGERS**
Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
- TUBES**
Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
- TUMBLING MOTION**
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
- TUMORS**
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- TUNABLE LASERS**
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1CU] c 36 N86-20779
Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1CU] c 25 N87-18625
- TUNGSTEN**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- TUNGSTEN ALLOYS**
Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
- TUNING**
Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679
Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1CU] c 76 N87-15883
- TUNNEL DIODES**
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399
- TUNNELING (EXCAVATION)**
Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- TUNNELS**
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- TURBINE BLADES**
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493
- TURBINE ENGINES**
High speed, self-acting shaft seal --- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- TURBINE PUMPS**
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13522
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- TURBINE WHEELS**
Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
- TURBINES**
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- TURBOCOMPRESSORS**
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- TURBOFAN ENGINES**
Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- TURBOFANS**
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
- TURBOGENERATORS**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- TURBOJET ENGINE CONTROL**
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- TURBOJET ENGINES**
Telescoping-spike supersonic inlet for aircraft engines
Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
- TURBOMACHINE BLADES**
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Composite seal for turbomachinery
[NASA-CASE-LEW-12313-2] c 37 N80-26658
- TURBOMACHINERY**
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788
- TURBOSHAPES**
Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
High speed, self-acting shaft seal --- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
- TURBULENCE METERS**
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- TURBULENCE BOUNDARY LAYER**
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535
Thin-element riblet surface
[NASA-CASE-LAR-13553-1] c 34 N87-18778
- TURBULENCE FLOW**
Exhaust flow deflector --- for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N86-26575
- TURNSTILE ANTENNAS**
Method and means for damping nutation in a satellite
Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
Broadband modified turnstile antenna Patent
[NASA-CASE-MSC-12209] c 09 N71-24842
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
- TURRET**
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution
Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
- TWISTING**
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

TWO BODY PROBLEM

- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

TWO DIMENSIONAL BODIES

- Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751

TWO PHASE FLOW

- Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N86-20721

TYPEWRITERS

- Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

U

U BENDS

- Technique of elbow bending small jacketed transfer lines
Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

ULCERS

- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

ULLAGE

- Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

ULTRAHIGH FREQUENCIES

- Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

ULTRAHIGH VACUUM

- Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286

ULTRAPURE METALS

- Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551

ULTRASONIC AGITATION

- Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514

ULTRASONIC CLEANING

- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

ULTRASONIC FLAW DETECTION

- Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398
Two-dimensional scanner apparatus --- flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928
Ultrasonic angle beam standard reflector --- ultrasonic nondestructive inspection
[NASA-CASE-LAR-13153-1] c 71 N86-21276

ULTRASONIC RADIATION

- Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835

- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- ULTRASONIC SCANNERS**
Cutting head for ultrasonic lithotripsy
[NASA-CASE-GSC-12944-1] c 52 N86-19885
- ULTRASONIC TESTS**
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
Method and apparatus for nondestructive testing --- using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
- ULTRASONIC WAVE TRANSDUCERS**
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
CDS solid state phase insensitive ultrasonic transducer --- annealing dladmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1CU] c 35 N86-32700
- ULTRASONIC WELDING**
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- ULTRASONICS**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390
Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1CU] c 35 N86-32700
- ULTRAVIOLET FILTERS**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
- ULTRAVIOLET LASERS**
Stabilization of He2(a 3 Sigma u + molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- ULTRAVIOLET RADIATION**
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
Transmitting and reflecting diffuser --- for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MS-16074-1] c 27 N80-26446

ULTRAVIOLET REFLECTION

Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183

Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363

Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879

ULTRAVIOLET SPECTRA

Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428

ULTRAVIOLET SPECTROMETERS

Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003

Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

UMBILICAL CONNECTORS

Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202

Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258

Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259

Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345

Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455

Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450

Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540

High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

UMBILICAL TOWERS

Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199

UNDERWATER ENGINEERING

Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135

Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555

UNDERWATER TESTS

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125

UNIFORM FLOW

Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969

UNIONS (CONNECTORS)

Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895

Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N86-31630

UNLOADING

Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516

UNMANNED SPACECRAFT

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

UNSATURATION (CHEMISTRY)

Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043

UP-CONVERTERS

Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192

UPPER ATMOSPHERE

Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376

Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360

Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

URANIUM 235

Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

UREAS

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687

Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452

URETHANES

Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

URINALYSIS

Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754

Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052

Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011

Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

URINATION

Open type urine receptacle
[NASA-CASE-MS-12324-1] c 05 N72-22093

Urine collection device
[NASA-CASE-MS-16433-1] c 52 N81-24711

Urine collection apparatus --- feminine hygiene
[NASA-CASE-MS-18381-1] c 52 N81-28740

UROLOGY

Urine collection device
[NASA-CASE-MS-16433-1] c 52 N81-24711

UTERUS

Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

V

V GROOVES

Vee-notching device --- with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131

Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321

High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

VACANCIES (CRYSTAL DEFECTS)

Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265

VACUUM

Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460

Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049

Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346

Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450

Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MS-18852-1] c 37 N85-29283

VACUUM APPARATUS

Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180

Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256

Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607

Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489

Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226

Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535

Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395

Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612

Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679

VACUUM CHAMBERS

High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278

Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932

Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773

Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090

Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994

Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484

Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262

Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483

Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444

Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267

Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402

Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426

Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884

VACUUM DEPOSITION

A method for the deposition of beta-silicon carbide by isoeptitaxy
[NASA-CASE-ERC-10120] c 26 N69-33482

Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647

Evaporator source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395

Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701

Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214

Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415

Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267

VACUUM EFFECTS

High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285

VACUUM FURNACES

Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900

VACUUM GAGES

Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481

Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390

Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391

In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092

VACUUM MELTING

High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215

VACUUM PUMPS

Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433

VACUUM SPECTROSCOPY

Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N86-26190

VACUUM SYSTEMS

Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087

Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629

Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482

Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633

VACUUM TUBES

Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229

VALUE

High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625

VALVES

Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
Multiway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483
Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065
Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213
Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284
Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403

VANES

Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441

VAPOR DEPOSITION

A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
Deposition of alloy films --- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161
Vapor deposition apparatus --- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192
Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253

Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800

VAPOR PHASES

Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N86-20721

VAPOR PRESSURE

Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
Vapor liquid separator Patent
[NASA-CASE-NPO-04042] c 15 N71-23023
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

VAPOR TRAPS

Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483

VAPORIZERS

Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

VAPORIZING

Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025

VAPORS

Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800

VARACTOR DIODE CIRCUITS

Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429

VARACTOR DIODES

Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

VARIABILITY

Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551

VARIABLE CYCLE ENGINES

Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

VARIABLE GEOMETRY STRUCTURES

Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

VARIABLE PITCH PROPELLERS

Dual output variable pitch turboprop actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468

VARIABLE SWEEP WINGS

Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005

VARIABLE THRUST

Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055

VARIATIONS

Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744

VECTOR ANALYSIS

Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439

VECTOR CURRENTS

Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613

VECTOCARDIOGRAPHY

Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189

VEGETATION GROWTH

Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

VEHICLE WHEELS

Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402
Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

VEHICLES

Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424

VEHICULAR TRACKS

Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
Tank tread assemblies with track-linking mechanism
[NASA-CASE-NPO-16321-1CU] c 37 N87-17034

VELOCITY

Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895

VELOCITY COUPLING

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

VELOCITY MEASUREMENT

Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310
Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436
Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

- Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1CU] c 35 N86-32695
- Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697
- VELOCITY MODULATION**
Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
- VENTILATION**
Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- VENTILATORS**
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- VENTING**
Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
- Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
- Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
- VENUS (PLANET)**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- VERTICAL FLIGHT**
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- VERTICAL LANDING**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- VERTICAL ORIENTATION**
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493
- VERTICAL TAKEOFF AIRCRAFT**
Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
- Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
- VERY HIGH FREQUENCIES**
VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
- VERY LARGE SCALE INTEGRATION**
Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594
- VERY LONG BASE INTERFEROMETRY**
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- VESTS**
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
- VIBRATION**
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1CU] c 35 N86-20752
- VIBRATION DAMPING**
Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
- Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
- Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
- Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333
- Fluidic momentum controller
[NASA-CASE-MSC-20906-1] c 18 N86-19344
- Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N86-25790
- VIBRATION EFFECTS**
Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
- Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
- Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404
- Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801
- VIBRATION ISOLATORS**
Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
- Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
- Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
- Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
- Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
- Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- Decoupler pylon: wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
- Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
- Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333
- Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797
- VIBRATION MEASUREMENT**
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
- Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329
- Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299
- Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670
- VIBRATION METERS**
Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
- Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- VIBRATION MODE**
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- VIBRATION SIMULATORS**
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- VIBRATION TESTS**
Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
- Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
- Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
- VIBRATIONAL SPECTRA**
Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- VIDEO COMMUNICATION**
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- VIDEO DATA**
Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
- Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
- Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
- Neighborhood comparison operator
[NASA-CASE-NPO-16464-1CU] c 60 N86-24224
- VIDEO EQUIPMENT**
Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
- Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
- Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
- Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
- Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
- Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
- Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114
- Programmable pipelined image processor
[NASA-CASE-NPO-16461-1CU] c 60 N86-23283
- Laser ranging and video display system
[NASA-CASE-MSC-20870-1] c 36 N86-24977
- VIDEO SIGNALS**
Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MSC-20821-1] c 17 N86-20466
- Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413
- VIDICONS**
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
- Material handling device Patent
[NASA-CASE-NPO-09770-3] c 11 N71-27036
- VIEWING**
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355
- VINYL COPOLYMERS**
Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1CU] c 27 N86-20560
- Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908
- VINYL POLYMERS**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
- Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- VINYLDIENE**
Dicynoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- VIRUSES**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- VISCOELASTICITY**
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573

- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- VISCOSIMETERS**
Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- VISCOSITY**
Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124
Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
Process of end-capping a polyimide system
[NASA-CASE-LAR-13135-1] c 27 N86-19456
- VISCOUS DAMPING**
Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
- VISIBILITY**
Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- VISIBLE SPECTRUM**
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- VISION**
Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- VISORS**
Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- VISUAL ACUITY**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- VISUAL CONTROL**
Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- VISUAL FIELDS**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193
- VISUAL OBSERVATION**
Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
- VISUAL PERCEPTION**
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
- VISUAL STIMULI**
Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114
- VITERBI DECODERS**
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- VOICE COMMUNICATION**
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- VOICE DATA PROCESSING**
Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
Method and apparatus for operating on compressed PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N86-27513
- VOLATILITY**
Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
- VOLT-AMPERE CHARACTERISTICS**
Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- VOLTAGE AMPLIFIERS**
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
Arc lamp power supply
[NASA-CASE-LAR-13202-1] c 33 N86-32626
- VOLTAGE CONTROLLED OSCILLATORS**
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N86-20668
Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673
- VOLTAGE CONVERTERS (DC TO DC)**
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663
- VOLTAGE GENERATORS**
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- VOLTAGE REGULATORS**
Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157
Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243
Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
Voltage regulator for battery power source --- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146
Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673
- VOLTMETERS**
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
- VOLUMETRIC ANALYSIS**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- VOMITING**
Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- VORTEX BREAKDOWN**
Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
- VORTEX FLAPS**
Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016
- VORTEX GENERATORS**
Multiway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433
Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- VORTICES**
Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- VULCANIZING**
Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124

W

WAFERS

- Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-25670-4] c 33 N84-22884
- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- Floating emitter solar cell junction transistor
[NASA-CASE-NPO-16467-1-CU] c 33 N86-24908
- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875
- Cross-contact chain
[NASA-CASE-NPO-16784-1] c 33 N87-10231

WAKES

- Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679

WALKING

- Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112

WALKING MACHINES

- Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259

WALL TEMPERATURE

- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144

WALLS

- Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652

WARNING SYSTEMS

- Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
- Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641

- Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
- Hearing aid malfunction detection system
[NASA-CASE-MS-C-14916-1] c 33 N78-10375
- Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272

WASHING

- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039

WASTE DISPOSAL

- Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840
- Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
- Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758

WASTE ENERGY UTILIZATION

- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389

WASTE HEAT

- Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461

WASTE UTILIZATION

- Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584

WASTE WATER

- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654

WATER

- High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
- Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
- Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
- A water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755

WATER FLOW

- Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
- Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035

WATER INJECTION

- Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284

WATER LANDING

- Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
- Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859

WATERWAVE ENERGY CONVERSION

WATER MANAGEMENT

- Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
- Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

WATER POLLUTION

- Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067

WATER QUALITY

- Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285
- Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849

WATER RECLAMATION

- Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

WATER RESOURCES

- Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

WATER TEMPERATURE

- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598

WATER TREATMENT

- Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
- Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654

WATER VAPOR

- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
- Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

WATER WAVES

- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

WATERPROOFING

- Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N87-16918

WATERWAVE ENERGY CONVERSION

- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834

WAVE AMPLIFICATION

Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919

WAVE DIFFRACTION

Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140

WAVE FRONT RECONSTRUCTION

Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567

WAVE GENERATION

Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent

[NASA-CASE-XMS-01315] c 09 N70-41675
Waveform simulator Patent

[NASA-CASE-NPO-10251] c 10 N71-27365
Wide band doubler and sine wave quadrature generator

[NASA-CASE-NPO-11133] c 10 N72-20223
Material suspension within an acoustically excited resonant chamber --- at near weightless conditions

[NASA-CASE-NPO-13263-1] c 12 N75-24774
Vibrating-chamber levitation systems

[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752

WAVE INTERACTION

Coupled cavity traveling wave tube with velocity tapering

[NASA-CASE-LEW-12296-1] c 33 N82-26568

WAVE PROPAGATION

Double reference pulsed phase locked loop (DRP-2L-2)

[NASA-CASE-LAR-13310-1] c 32 N85-21441
Double reference pulsed phase locked loop

[NASA-CASE-LAR-13310-1] c 32 N87-14559

WAVE REFLECTION

Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822

Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965

WAVE RESISTANCE

Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145

WAVE SCATTERING

Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662

Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327

WAVEFORMS

Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995

Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659

Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257

Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240

Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337

WAVEGUIDE ANTENNAS

Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148

WAVEGUIDE FILTERS

High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606

WAVEGUIDE WINDOWS

Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808

WAVEGUIDES

Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676

Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550

Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065

Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141

Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170

Thin film microwave iris

[NASA-CASE-LAR-10511-1] c 09 N72-29172
Resonant waveguide stark cell --- using microwave spectrometers

[NASA-CASE-LAR-11352-1] c 33 N75-26245
Diffused waveguiding capillary tube with distributed feedback for a gas laser

[NASA-CASE-NPO-13544-1] c 36 N76-18428
Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures

[NASA-CASE-NPO-14254-1] c 36 N80-18372
Support assembly for cryogenically coolable low-noise choke waveguide

[NASA-CASE-LEW-12296-1] c 32 N80-32605
Coaxial phased array antenna

[NASA-CASE-MSC-16800-1] c 32 N81-14187
Coupled cavity traveling wave tube with velocity tapering

[NASA-CASE-LEW-12296-1] c 33 N82-26568
Waveguide cooling system

[NASA-CASE-NPO-15401-1] c 32 N83-27085

WAVELENGTHS

Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343

Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946

Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323

Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409

Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751

Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783

Diatom infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426

Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086

Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015

Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680

Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846

WAVES

Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834

WEAR

Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371

WEAR INHIBITORS

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

WEAR RESISTANCE

Carbide/fluoride/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179

WEATHERPROOFING

Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493

WEBS (SHEETS)

Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71-NPO-15494-2] c 35 N85-34373

WEBS (SUPPORTS)

Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066

Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

WEDGES

Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121

Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676

WEIGHT (MASS)

Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443

WEIGHT INDICATORS

Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945

WEIGHT MEASUREMENT

Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773

Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945

Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294

WEIGHTLESSNESS

Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020

Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062

Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233

Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275

Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297

Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207

Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968

Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028

Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223

Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649

Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007

Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

Method of making foamed materials in zero gravity
[NASA-CASE-MF-09902] c 15 N72-11387

Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495

Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458

Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378

Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725

Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503

Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282

Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189

Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385

Method of crystallization --- in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919

Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278

Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319

WEIGHTLESSNESS SIMULATION

Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988

Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000

Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341

Whole body measurement systems --- for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975

Weightlessness simulation system and process
[NASA-CASE-ARC-11646-1] c 14 N87-15253

WELD STRENGTH

Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683

WELD TESTS

Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613

Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464

WELDED JOINTS

- Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
- Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
- Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850

WELDED STRUCTURES

- Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265

WELDING

- Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
- Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
- Apparatus for welding sheet material --- butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376
- Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
- Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289
- Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736

WELDING MACHINES

- Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
- Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050
- Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
- Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
- Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- Welding torch with arc light reflector
[NASA-CASE-MFS-29134-1] c 74 N87-17493

WET CELLS

- Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407

WETTING

- Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471

WHEATSTONE BRIDGES

- Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
- Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
- Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373

WHEELS

- Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037

WHISKER COMPOSITES

- Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490

WHISKERS (CRYSTALS)

- Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922

WICKS

- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180

WIDE ANGLE LENSES

- Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857

WIDEBAND COMMUNICATION

- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604

WINCHES

- Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599

WIND DIRECTION

- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292

WIND EFFECTS

- Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N86-27280

WIND MEASUREMENT

- Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
- Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753

WIND PROFILES

- Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281

WIND SHEAR

- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N86-27280

WIND TUNNEL APPARATUS

- Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
- Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
- Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
- Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
- Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
- Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594

WIND TUNNEL CALIBRATION

- Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523

WIND TUNNEL DRIVES

- Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913

WIND TUNNEL MODELS

- Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
- Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
- Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
- Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612
- Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594

WIND TUNNEL NOZZLES

- Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

- Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

WIND TUNNEL TESTS

- Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
- Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- Device for quick changeover between wind tunnel force and pressure testing
[NASA-CASE-LAR-13512-1] c 35 N87-14675

WIND TUNNEL WALLS

- Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

WIND TUNNELS

- Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
- Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
- Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
- Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358

WIND TURBINES

- Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018

WIND VELOCITY

- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N86-27280

WIND VELOCITY MEASUREMENT

- Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N86-27280

WINDING

- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197

WINDMILLS (WINDPOWERED MACHINES)

- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493
- Coupling an induction motor type generator to ac power lines --- making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660

WINDOWS (APERTURES)

- Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
- Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355

WINDPOWER UTILIZATION

- Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018

WINDPOWERED GENERATORS

- Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280

WINDSHIELDS

- Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230

WING CAMBER

- Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551

WING FLAPS

- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
- Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551

WING PROFILES

- Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
- WING ROOTS**
Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154
- WING SLOTS**
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551
- WING TIP VORTICES**
Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
- WING TIPS**
Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- WINGS**
Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
Decoupler pylon: wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 33 N86-20671
Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314
- WIRE**
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- WIRE BRIDGE CIRCUITS**
Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- WIRE CLOTH**
Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
- WIRE WINDING**
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- WIRELESS COMMUNICATION**
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594

WIRING

- Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- WOODEN STRUCTURES**
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- WORDS (LANGUAGE)**
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- WORK HARDENING**
Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
- WORKING FLUIDS**
Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- WORKSTATIONS**
Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114
- WRENCHES**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- WRIST**
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

X

X RAY ABSORPTION

- Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
- X RAY APPARATUS**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898

X RAY DIFFRACTION

- Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

X RAY IMAGERY

- Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
Method of fabricating an imaging X-ray spectrometer
[NASA-CASE-GSC-12956-1] c 35 N87-14671

X RAY INSPECTION

- Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 74 N86-20126

X RAY IRRADIATION

- Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042

X RAY SOURCES

- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765

X RAY SPECTROSCOPY

- Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
Method of fabricating an imaging X-ray spectrometer
[NASA-CASE-GSC-12956-1] c 35 N87-14671

X RAY TELESCOPES

- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015
Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 74 N86-20124
Multispectral glancing incidence X-ray telescope
[NASA-CASE-MFS-28013-1] c 89 N86-22459

X RAYS

- Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281

X-Y PLOTTERS

- Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293

X-15 AIRCRAFT

- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421

XENON

- Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127

XENON LAMPS

- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

Y

YAG LASERS

- Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
Length controlled stabilized mode-lock Nd:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499

YARNS

- Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331

YAW

- Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

YIELD STRENGTH

- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

YO-YO DEVICES

- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016

YOKES

- Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613

YTTERBIUM

- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

Z

ZEOLITES

- Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

SUBJECT INDEX

ZIRCONIUM OXIDES

ZINC

- Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
- Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699

ZINC COMPOUNDS

- Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
- Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

ZINC OXIDES

- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

ZIRCONIUM

- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- Nicral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
- Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482

ZIRCONIUM ALLOYS

- Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192

ZIRCONIUM CARBIDES

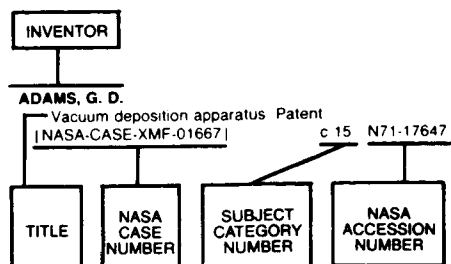
- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344

ZIRCONIUM OXIDES

- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

Typical Inventor Index Listing



Listings in this index are arranged alphabetically by inventor. The title of the document provides the user with a brief description of the subject matter. The NASA Case Number is the prime access point to patent documents. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. The titles are arranged under each inventor in ascending accession number order.

A

- ABEL, I. R.**
Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
- ABERNATHY, W. J.**
Insert facing tool
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- ABHYANKAR, K. D.**
Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446
- ABSHIRE, J. B.**
Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
Optical distance measuring instrument
[NASA-CASE-GSC-12761-1] c 74 N86-32266
- ACHAR, B. N.**
Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
Metal (2,4,4',4'') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455
- ACORD, J. D.**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040

- ACRES, W. R.**
Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N86-19613
- ACUNA, M. H.**
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522
- ADACHI, R. R.**
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- ADAMS, C. M., JR.**
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- ADAMS, G. D.**
Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
- ADAMS, R. R.**
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- ADAMS, W. A.**
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
- ADAMSON, A. P.**
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- ADAMSON, M. J.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- AGRAWAL, A. K.**
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- AHL, E. L., JR.**
Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791
- AIRTH, H. B., JR.**
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- AISENBERG, S.**
Doppler shift system
[NASA-CASE-HQN-10740-1] c 72 N74-19310
- AJELLO, J. M.**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- AJIOKA, J. S.**
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- AKAWIE, R. I.**
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- AKKERMAN, J. W.**
Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510
Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483

- ALARIO, J. P.**
Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N86-27593
- ALBRECHT, W. P.**
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- ALBRIGHT, C. F.**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140
- ALBUS, J. S.**
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- ALCORN, G. E.**
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150
Method of fabricating an imaging X-ray spectrometer
[NASA-CASE-GSC-12956-1] c 35 N87-14671
- ALDRICH, B. R.**
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750
- ALESNA, R. E.**
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
- ALEXANDER, P., JR.**
Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958
- ALFORD, W. J., JR.**
Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
- ALGER, D. L.**
Deuterium pass through target
[NASA-CASE-LEW-11866-1] c 72 N76-15860
Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 31 N78-17237
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- ALLCOCK, H. R.**
Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylchlorotriphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Carboranylmethylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- ALLEN, G. V.**
Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
- ALLEN, H., JR.**
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- ALLEN, J. G., JR.**
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- ALLEN, J. H., SR.**
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722

ALLEN, J. L.
Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
Single mode levitation and translation
[NASA-CASE-NPO-16675-1-CU] c 71 N86-20087

ALLEN, L. D.
Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277

ALLEN, L. H.
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125

ALLEN, R. W.
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858

ALLEN, W. K.
Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174

ALLEN, W. W.
Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166

ALLEY, V. L., JR.
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

ALLGEIER, R. K., JR.
Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648

ALPER, M. E.
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

ALSTON, W. B.
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-1] c 23 N87-14432
New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N87-14433

ALTMAN, R. L.
Synthesis of dawsonites
[NASA-CASE-ARC-11326-1] c 25 N83-33977
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

ALTSHULER, T. L.
Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992

AMBRUSO, A.
Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477

AMEER, G. A.
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

AMON, M.
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393

ANACKER, K.
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408

ANAGNOSTOU, E.
Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528

ANDERS, J. B.
Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922

ANDERSON, A. G., JR.
Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N86-24978

ANDERSON, D. L.
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752

ANDERSON, F. A.
Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342

ANDERSON, G. D.
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272

ANDERSON, G. E.
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
Fluid leak indicator
[NASA-CASE-MSC-20783-1] c 35 N86-20756

ANDERSON, J. R.
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773

ANDERSON, J. W.
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

ANDERSON, K. F.
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200

ANDERSON, L. M.
Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768

ANDERSON, R. A.
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979

ANDERSON, R. E.
Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

ANDERSON, R. F.
Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824

ANDERSON, T. O.
Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502
Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
Asynchronous, multiplexing, single line transmission and recovery data system
[NASA-CASE-NPO-13321-1] c 32 N75-26195
Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538

ANDERSON, W. J.
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
High speed hybrid bearing comprising a fluid bearing and a rolling bearing convected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588

ANDERSON, W. W.
Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158

Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-1] c 35 N79-26372
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

ANDERSON, W. W., JR.
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982

ANDREWS, D. G.
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551

ANDREWS, E. H., JR.
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366

ANDREWS, R. E.
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

ANDREWS, T. W.
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346

ANGELE, W.
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
Cryogenic gyroscope housing
[NASA-CASE-MFS-21136-1] c 35 N74-18323

ANGULO, E. D.
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913

ANGULUO, E. D.
Cutting head for ultrasonic lithotripsy
[NASA-CASE-GSC-12944-1] c 52 N86-19885

ANICICH, V. G.
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

ANSELMO, V. J.
Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783

AOYAGI, KIYOSHI
High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N87-18561

APPEL, M. A.
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929

APPLEBERRY, W. T.
Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
Device for use in loading tension members
[NASA-CASE-MFS-21488-1] c 14 N75-24794
Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377

APPLER, R. L.
Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674

APPLETON, M. W.
Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247

ARCAND, G. M.
Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728

ARCELLA, F. G.
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265

ARENS, W. E.
Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342

- Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
- ARGOUD, M. J.**
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
- ARIAS, A.**
Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
- ARLINE, S. B.**
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- ARMSTRONG, H. T.**
Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
- ARNDT, G. D.**
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
- ARONS, I. J.**
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484
- ARRANCE, F. C.**
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
- ASHBROOK, R. L.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
- ASHWORTH, B. R.**
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- ASKINS, B. S.**
Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389
- ASTHEIMER, R. W.**
Multi-lobe scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- ASTON, G.**
Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
- ATKISSON, E. A.**
Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
- AUBLE, C. M.**
Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
- AUER, S. O.**
Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
- Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
- AUGASON, G. C.**
A method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N86-20128
- AUKER, B. H.**
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
- AUSTIN, I. G.**
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- AUSTIN, W. E.**
Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
- AUYEUNG, J.**
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- AVERILL, R. D.**
Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
- AVIZIENIS, A. A.**
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
- AYLWARD, J. R.**
Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
- AYVAZIAN, R. A.**
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- ## B
- BABA, P. D.**
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- BABB, B. D.**
Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
- BABECKI, A. J.**
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- BACCHI, R.**
Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- BACHLE, W. H.**
Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
- BACON, J. F.**
Glass compositions with a high modulus of elasticity
[NASA-CASE-HQN-10274-1] c 27 N82-29451
High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
High modulus rare earth and beryllium containing silicate glass compositions
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- BADIN, F. E.**
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- BAEHR, E. F.**
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
- Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- BAER, D. A.**
Synchronous orbit battery cyclor
[NASA-CASE-GSC-11211-1] c 03 N72-25020
- BAGANOFF, D.**
Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960
- BAGBY, J. P.**
Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
- BAHIMAN, H.**
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492
- BAHM, E. J.**
A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- BAILEY, C. L., JR.**
Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
- BAILEY, D. A.**
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- BAILEY, F. J., JR.**
Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
- BAILEY, G. A.**
Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- BAILEY, G. C.**
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- BAILEY, J. W.**
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- BAILEY, M. C.**
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- BAILEY, R. L.**
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
- BAKER, C. D.**
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200
Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405
- BAKER, E. H.**
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- BAKER, G. J.**
Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
- BAKER, J. T.**
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- BAKER, M. E.**
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
- BAKER, R. L.**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- BAKER, V. D.**
Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741

BAKSTON, B.

Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132

BALDWIN, L. V.

Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576

BALES, T. T.

Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Metal matrix composite structural panel construction [NASA-CASE-LAR-12807-1] c 24 N84-11214
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450

BALLANTINE, T. J.

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

BALLARD, R. R.

Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073

BALLETINE, F. M., JR.

Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778

BALLOU, E. V.

Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

BAMFORD, R. M.

Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Sealed separable connection Patent
[NASA-CASE-NPO-10064] c 15 N71-17693

BANDINI, U.

Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417

BANK, H.

Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749

BANKS, A.

Apparatus for producing oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-2] c 27 N86-32569

BANKS, B. A.

Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
Electromagnetic flow rate meter
[NASA-CASE-LEW-10981-1] c 35 N74-21018
Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
Method of making dish ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
Apparatus for forming dish ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
Method of constructing dish ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N86-19458

Piezoelectric deicing device

[NASA-CASE-LEW-13773-2] c 33 N86-20671
Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434

BANKSTON, B. F.

Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
Two-dimensional scanner apparatus
[NASA-CASE-MFS-25687-1] c 35 N84-22928
Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N86-32698

BANTA, R. D.

Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497

BARACK, W. N.

Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101

BARAONA, C. R.

Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530

BARBER, J. B.

Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170

BARBER, PATRICK G.

Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115

BARBERA, A. J.

Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053

BARGER, R. L.

Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946

BARISH, B.

Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057

BARKER, P.

Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234

BARMATZ, M. B.

Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
Single mode levitation and translation
[NASA-CASE-NPO-16675-1-CU] c 71 N86-20087
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752

BARNES, J. R.

Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427

BARNES, P. E.

Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

BARNES, WAYNE L.

Orbital maneuvering end effectors
[NASA-CASE-MFS-28161-1] c 37 N87-18817

BARNETT, J. H., JR.

Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006

BARNETT, M. A.

Furlable antenna
[NASA-CASE-NPO-13553-1] c 33 N76-32457

BARNISKIS, W. A.

Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987

BARNIS, C. E.

High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

BARR, T. A.

Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370

BARRETT, C. A.

Nicral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192
Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482

BARRETT, T. W.

Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

BARRINGTON, A. B.

Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483

BARRINGTON, A. E.

Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994

BARTEA, R. E.

Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

BARTHOLOME, D. E.

Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539

BARTMAN, R. K.

Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N86-20129

BARZA, M. J.

Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

BASIULIS, A.

Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

BASIULIS, D. I.

High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

BASS, A. M.

Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428

BASS, R. G.

Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462

BASTIEN, G. J.

Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608

BATE, E. R., JR.

Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730

BATES, H. E.

Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037

BATHKER, D. A.

Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261

BATSCH, F. F.

Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620

BATTE, W. G.

Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751

BATTEN, C. E.

Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687

- BATTERSON, S. A.**
Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329
- BATTS, C. N.**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- BAUCOM, R. M.**
Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- BAUER, H. B.**
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
- BAUERNSCHUB, J. P., JR.**
Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
- BAUGH, B. T.**
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
- BAUGHMAN, J. R.**
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- BAUMAN, A. J.**
Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Molten salt pyrolysis of latex
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- BAUMER, W. E.**
Counter Patent
[NASA-CASE-NXP-06234] c 10 N71-27137
- BAXTER, R. D.**
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- BEALE, H. A.**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- BEAM, B. H.**
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10139-1] c 14 N72-24477
- BEAM, R. A.**
Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
- BEAM, R. M.**
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- BEASLEY, R. M.**
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- BEASLEY, W. D.**
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
- BEATTY, R. W.**
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- BEAUREGARD, W. W.**
Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
- BECK, A. F.**
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
- BECK, T. R.**
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- BECKER, R. A.**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- BECKERLE, L. D.**
Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- BECKMAN, P.**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- BECKWITH, I. E.**
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- BECKWITH, R. M.**
Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- BEEHM, J. M.**
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- BEEKMAN, S. W.**
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- BEEN, J. F.**
Method and apparatus for measuring electromagnetic radiation
[NASA-CASE-LEW-11159-1] c 14 N73-28488
- BEER, R.**
Cooled echelle grating spectrometer
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- BEGGS, J. M.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- BEHMER, H.**
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- BEHM, J. W.**
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
- BEITLER, R. S.**
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- BEJCZY, A. K.**
Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 37 N81-27519
Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- BELANGER, R. J.**
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
- BELASCO, N.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- BELCHER, J. G., JR.**
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- BELEW, H. W., JR.**
Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- BELEW, R. R.**
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876
Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844
Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
Variable length strut with longitudinal compliance and locking capability
[NASA-CASE-MFS-25907-1] c 37 N85-34401
Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N86-32738
- BELL, A.**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- BELL, C. H.**
Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
- BELL, D., III**
Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- BELL, V. L.**
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N86-24840
- Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N86-25477
Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N86-26435
- BELL, V. L., JR.**
Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4,5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235
Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
- BELLAVIA, J., JR.**
Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- BELLMAN, D. R.**
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- BELT, J. L.**
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- BEMENT, L. J.**
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
Totally confined explosive welding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- BENEDICT, R. D.**
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- BENEDICTO, J. S. J.**
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- BENGTON, R. D.**
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
- BENHAM, J. W.**
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
- BENNETT, G. W.**
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- BENNING, J. D.**
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- BENTS, D. J.**
Coaxial tube tether/transmission line for manned nuclear space power
[NASA-CASE-LEW-14338-1] c 20 N87-10174
- BENZ, F. J.**
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413
- BENZ, H. A.**
Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
- BERDAHL, C. M.**
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1] c 35 N86-32695
- BEREMAND, D. G.**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- BEREMAND, G. B.**
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
- BERG, O. E.**
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213

- Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
- BERGE, L. H.**
Method and apparatus for shaping and enhancing
acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
Gas levitator having fixed levitation node for
containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- BERGLUND, R. A.**
Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296
- BERGSTROM, S. L.**
Production of butanol by fermentation in the presence
of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- BERKA, R. B.**
Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
- BERKMAN, S.**
Means for growing ribbon crystals without subjecting the
crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Apparatus for use in the production of ribbon-shaped
crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- BERKOPCEK, F. D.**
Process for preparing liquid metal electrical contact
device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- BERMAN, P. A.**
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
- BERNARDIN, R. M.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- BERNATOWICZ, D. T.**
Method of making silicon solar cell array
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- BERNSEN, B.**
Electrical apparatus for detection of thermal
decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- BERNSTEIN, A. J.**
Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- BERRIER, B. L.**
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130
- BERRY, E. H.**
Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- BERRY, R. F., JR.**
Ultrasonic angle beam standard reflector
[NASA-CASE-LAR-13153-1] c 71 N86-21276
- BERSON, L. A.**
Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581
- BESSETTE, R. J.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- BESWICK, A. G.**
Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- BEUYUKIAN, C. S.**
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- BEYLIK, C. M.**
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- BHAGAT, P. K.**
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578
- BHAT, B. N.**
Method of growing composites of the type exhibiting
the Soret effect
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- BHATT, R. T.**
Fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-14517
- BHIWANDKER, N. C.**
Method for making conductors for ferrite memory
arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- BIBBO, C.**
Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
- BICKLER, D. B.**
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475

- BICKLER, T. C.**
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- BICKNELL, T. J.**
Servomechanism for Doppler shift compensation in
optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- BIEHL, A. J.**
Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- BIENIEK, T.**
Metal containing polymers from cyclic tetrameric
phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- BIER, M.**
Electrophoretic fractional elution apparatus employing
a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397
- BIKLE, P. F.**
System for use in conducting wake investigation for a
wing in flight
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- BILBRO, J. W.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- BILDERBACK, R. R.**
Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- BILES, J. E., JR.**
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- BILL, R. C.**
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Fully plasma-sprayed compliant backed ceramic turbine
seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine
seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Laser surface fusion of plasma sprayed ceramic turbine
seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
Thermal barrier coating system having improved
adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
- BILLINGHAM, J.**
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- BILLINGS, C. R.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- BILLINGSLEY, F. C.**
Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697
Image data rate converter having a drum with a fixed
head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
- BILLMAN, K. W.**
Method and apparatus for wavelength tuning of liquid
lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
Alignment apparatus using a laser having a
gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Measurement of plasma temperature and density using
radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- BILOW, N.**
Thiophenyl ether disiloxanes and trisiloxanes useful as
lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- BINCKLEY, W. G.**
Voltage regulator with plural parallel power source
sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
- BINGHAM, G. J.**
Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
- BIRCHENOUGH, A. G.**
Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243
Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385

- BIRD, J. D.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
- BIRD, R. G.**
Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581
- BISHOP, O. L.**
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- BISHOP, R. E.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- BLACK, D. H.**
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
- BLACK, I. A.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- BLACK, J. M.**
Full wave modulator-demodulator amplifier apparatus
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
Voltage regulator for battery power source
[NASA-CASE-FRC-10116-1] c 33 N79-23345
Active notch filter network with variable notch depth,
width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- BLACK, S. H.**
Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
- BLACK, W. W.**
Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- BLACKBAY, J. R.**
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- BLACKBURN, L. B.**
Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- BLACKSTOCK, T. A.**
Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- BLAIR, G. R.**
Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- BLAISE, H. T.**
Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
Methods and apparatus employing vibratory energy for
wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- BLAKELY, ROBERT L.**
High effectiveness contour matching contact heat
exchanger
[NASA-CASE-MSC-20840-1] c 34 N87-18779
- BLANCHARD, W. S., JR.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
Lateral displacement system for separated rocket stages
Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
High lift aircraft
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- BLANCHE, J. F.**
Electrical feed-through connection for printed circuit
boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
- BLAND, C.**
Bacteriostatic conformal coating and methods of
application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- BLAND, W. M., JR.**
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
- BLANKENSHIP, C. P.**
Protective device for machine and metalworking tools
Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182
- BLAZE, C. J.**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- BLESS, J. J.**
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296

- BLOCH, J. T.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- BLOOMFIELD, H. S.**
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- BLOSSER, E. R.**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- BLOUNT, D. H.**
Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N86-26368
- BLUCK, RAYMOND M.**
Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613
- BLUE, J. W.**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
Method of producing I-123
[NASA-CASE-LEW-11390-2] c 25 N76-27383
Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- BLUM, P.**
Rock sampling
[NASA-CASE-XNP-10007-1] c 46 N74-23068
Rock sampling
[NASA-CASE-XNP-09755] c 46 N74-23069
- BLUME, H. C.**
Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
- BLUMRICH, J. F.**
Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159
Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36854
Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354
Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912
Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
- BLUTINGER, B.**
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- BLYMILLER, E. R.**
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- BOATRIGHT, W. B.**
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
- BOCKWOLDT, W. H.**
Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
- BOEDY, D. D.**
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- BOEHM, J.**
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- BOEHME, R. J.**
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- BOER, K. W.**
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- BOEX, M. W.**
Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- BOGNER, R. S.**
Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- BOGUSZ, F. J.**
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
- BOIES, R. D.**
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- BOISSEvain, A. G.**
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- BOLT, C. A., JR.**
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- BOLTON, P. N.**
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- BONAZZA, WALTER J.**
Coaxial cable connector
[NASA-CASE-NPO-16964-1CU] c 33 N87-15414
- BOND, H. H., JR.**
Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- BOND, W. W.**
Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
- BONEBRIGHT, MARK E.**
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
- BONISCH, F. H.**
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- BONN, J. L.**
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
- BONO, P.**
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
- BOODLEY, L. E.**
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- BOOM, R. W.**
Stable superconducting magnet
[NASA-CASE-XMF-05373-1] c 33 N79-21264
- BOOTH, F. W.**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
Air removal device
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- BOOTH, R. A.**
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- BORELLI, M. T.**
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- BOROSON, H. R.**
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- BORSIG, E.**
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- BOSCO, G. B., JR.**
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- BOSHERS, W. A.**
Battery testing device
[NASA-CASE-MFS-20761-1] c 44 N74-27519
Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14801
Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- BOSTON, R. E.**
X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
- BOTTOMS, D. J.**
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
- BOULDIN, D. L.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
- BOURKE, D. G.**
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- BOUSMAN, W. G.**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- BOWER, K. F.**
Buffered analog converter
[NASA-CASE-KSC-10397] c 08 N72-25206
- BOXWELL, D. A.**
Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- BOYLE, J. C.**
Balance torque-meter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
- BOYLE, J. V., JR.**
Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
- BOZAJIAN, J. M.**
Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
- BRADFIELD, S. P., III**
Unbalanced quadrature demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
- BRADLEY, R. H.**
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
- BRADY, J. C.**
Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
- BRAINARD, W. A.**
Improved refractory coatings
[NASA-CASE-LEW-23169-2] c 26 N81-16209
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- BRANDENBURGER, G. H.**
Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- BRANDHORST, H. W., JR.**
Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
Solar cell assembly
[NASA-CASE-LEW-11549-1] c 44 N77-19571
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875
- BRANDON, C. A.**
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- BRANSTETTER, J. R.**
Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- BRANTLEY, J. W.**
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- BRANTLEY, L. W., JR.**
Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657
Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
Thermal energy storage system
[NASA-CASE-MFS-23167-1] c 44 N76-31667
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- BRASCHWITZ, J. M.**
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- BRAUN, W.**
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- BRAWNER, C. C.**
Specific wavelength colorimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860
- BRAWNER, E. L.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- BREALT, R. P.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- BREAZEALE, M. A.**
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- BRECKENRIDGE, R.**
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763

BRECKENRIDGE, R. A.

- Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- BRECKINRIDGE, J. B.**
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- BREED, L. L.**
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- BREED, L. W.**
- Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
- BREEZE, R. K.**
- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- BREGMAN, B. J.**
- Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230
- BREITWIESER, R.**
- High current electrical lead
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- BREJCHA, A. G., JR.**
- Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
- BRESHEARS, R. R.**
- Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
- BREUER, D. R.**
- Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- BREY, H.**
- Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176
- FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- BRICKER, R. W.**
- Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- BRIGHT, C. W.**
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- BRINICH, P. F.**
- Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
- BRINKS, B. J.**
- Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
- BRISKEN, A. F.**
- Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- BRISSENDEN, R. F.**
- Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
- BRITT, T. O.**
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- BRITZ, W. J.**
- Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27864
- BROCK, F. J.**
- Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
- Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391
- BROCKMAN, M. H.**
- Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- BRODER, J. D.**
- Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
- Method of making silicon solar cell array
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- Covered silicon solar cells and method of manufacture
[NASA-CASE-LEW-11065-2] c 44 N76-14600

- Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
- BRODERICK, J. C.**
- Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- BRODERICK, R. F.**
- Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- BRODIE, S. B.**
- Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- BROKL, S. S.**
- Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
- BROMAN, C. L.**
- Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- BROOKS, A. D.**
- Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- BROOKS, D. E.**
- Method for separating biological cells
[NASA-CASE-MFS-23883-1] c 51 N80-16715
- BROOKS, G. W.**
- Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
- Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
- Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- BROOKS, J. D.**
- Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
- BROOKS, R. A.**
- Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- BROOKS, R. L.**
- Fluid sample collection and distribution system
[NASA-CASE-MSC-16841-1] c 34 N79-24285
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- BROSH, A.**
- Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- BROUSSARD, P. H.**
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- BROUSSARD, R.**
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- BROWN, C. E.**
- G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- BROWN, D.**
- Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- BROWN, D. W.**
- Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
- BROWN, E. L.**
- Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- BROWN, G. A.**
- Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
- BROWN, G. V.**
- Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
- Magnetocaloric pump
[NASA-CASE-LEW-11672-1] c 37 N74-27904
- Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- BROWN, H. H.**
- Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114
- BROWN, J. L.**
- LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- BROWN, J. W.**
- Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725

BROWN, K. G.

- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
- Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- BROWN, K. H.**
- Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- BROWN, N. D.**
- Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- BROWN, P. A.**
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- BROWN, R. F.**
- Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- Monogroove cold plate
[NASA-CASE-MSC-20946-1] c 34 N86-32661
- BROWN, R. H.**
- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- BROWN, R. L.**
- Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- BROWN, R. M.**
- Multiple pass reimagining optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- BROWN, W. E., III**
- Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- BROWNING, R. E.**
- Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
- BOYLES, H. F.**
- Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
- Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
- BOYLES, H. H.**
- Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
- BRUCE, M. M., JR.**
- Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- BRUCE, R. A.**
- Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
- Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
- Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
- Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
- Air removal device
[NASA-CASE-XLA-0314-2] c 25 N62-21269
- BRUNSON, J. W.**
- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- BRUNSTEIN, S. A.**
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- BRYAN, C. F., JR.**
- Lightning discharge protection rod
[NASA-CASE-LAR-13470-1] c 03 N86-26296
- BRYAN, C. J.**
- Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- System for sterilizing objects
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- BRYAN, CHARLES F., JR.**
- Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259
- BRYAN, M. B.**
- Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612
- BRYANT, E. L.**
- Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138

- BRYANT, W. H.**
Digital controller for a Baum folding machine
[NASA-CASE-LAR-10688-1] c 37 N74-21056
- BRYSON, R. P.**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
- BUBE, K. R.**
Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
- BUCHANAN, R. I.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- BUCHHELE, D. R.**
Optical torqueometer Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- BUCHHOLD, T. A.**
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
- BUCHMILLER, L. D.**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- BUCKLEY, D. H.**
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- BUCKLEY, J. D.**
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
Inductive energy for rapid strain gauge attachment
[NASA-CASE-LAR-13237-1] c 35 N86-24960
- BUHLER, M. G.**
Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- BUHLER, G. V.**
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- BULLINGER, H. B.**
Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- BUNCE, R. C.**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
- BUNIN, B. L.**
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630
- BUNKER, E. R., JR.**
Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
- BUNKER, J. W.**
Slide release mechanism
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- BURCH, C. F.**
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- BURCH, J. L.**
Two speed drive system
[NASA-CASE-MFS-20645-1] c 37 N74-23070
Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- BURCHAM, F. W.**
Multiple pure tone elimination strut assembly
[NASA-CASE-FRC-11062-1] c 71 N82-16800
- BURCHAM, T. W.**
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
- BURCHER, E. E.**
Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
- BURCHER, L. G.**
Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
- BURDIN, C.**
Phase-locked servo system
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- BURGESS, A. S.**
Method of fabricating an imaging X-ray spectrometer
[NASA-CASE-GSC-12956-1] c 35 N87-14671
- BURGETT, F. A.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
- BURK, S. M., JR.**
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
- BURKE, J. R.**
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
- BURKHART, J. A.**
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
- BURKLEY, R. A.**
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- BURKS, H. D.**
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749
Process of end-capping a polyimide system
[NASA-CASE-LAR-13135-1] c 27 N86-19456
Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
- BURKS, R. E., JR.**
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- BURNETT, J. E.**
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
- BURNHAM, D. C.**
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- BURNS, E. A.**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- BURNS, F. P.**
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- BURNS, M. R., JR.**
Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850
- BURNS, R. H.**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- BURNS, R. K.**
Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- BURROUS, C. N.**
Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10487-1] c 09 N73-14214
- BURROWS, D. L.**
Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
- BURTON, D. R.**
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- BURTON, W. A.**
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- BUSEMANN, A.**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- BUSH, H. G.**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
Lightweight structural columns
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
- BUSH, HAROLD G.**
Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613
- BUSHNELL, D. M.**
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- BUTLER, D. H.**
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- BUTLER, J. M.**
Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- BUTLER, L. V.**
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
- BUTMAN, S.**
Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- BUTMAN, S. A.**
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- BUTNER, C. L.**
Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N86-26190
- BUZZARD, R. J.**
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- BYERS, D. C.**
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- BYNUM, B. G.**
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
- BYRD, A. W.**
Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
Thermoelectric power system
[NASA-CASE-MFS-22002-1] c 44 N76-16612
- BYRD, J. D.**
Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
- BYRD, N. R.**
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- BYRNE, F.**
BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247
Digital servo controller
[NASA-CASE-KSC-10769-1] c 33 N74-29556
Common data buffer system
[NASA-CASE-KSC-11048-1] c 62 N81-24779
Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

- Method and apparatus for operating on companded PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N86-27513
- BYVIK, C. E.**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923

C

- CABLE, C. W.**
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
- CABLE, W. L.**
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- CACOSSA, R. A.**
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- CAGLIOSTRO, D. E.**
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- CAHILL, K. J.**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- CAHILL, N. E.**
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
- CAIRO, F. J.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- CALANDRO, J. N.**
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- CALFO, F. D.**
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
- CALLAHAN, D. E.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- CALVERT, H. F.**
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
- CALVERT, J. A.**
Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- CAMACHO, S. L.**
Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
- CAMARDA, C. J.**
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- CAMBRA, J. M.**
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- CAMERON, J. R.**
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- CAMP, D. W.**
Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
- Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
- CAMP, E. L.**
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- CAMPBELL, B. A.**
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
- CAMPBELL, C. C., JR.**
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
- CAMPBELL, C. W.**
Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
- CAMPBELL, D. H.**
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- CAMPBELL, D. R.**
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
- CAMPBELL, F. D.**
Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462
- CAMPBELL, G. E.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- CAMPBELL, G. W.**
Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- CAMPBELL, J. G.**
Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
- Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
- CAMPBELL, R. A.**
Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
- Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- CAMPBELL, R. B., JR.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- CAMPBELL, R. L.**
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- CAMPBELL, T. G.**
Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
- CAMPEN, C. F., JR.**
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
- CANCRO, C. A.**
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- CANICATTI, C. L.**
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
- CANNING, T. N.**
Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
- Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
- Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
- Bimetallic fluid displacement apparatus
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- High acceleration cable deployment system
[NASA-CASE-AHC-11256-1] c 15 N82-24272
- CANTOR, C.**
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
- Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
- CANTRELL, J. H., JR.**
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- CANVEL, H.**
Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
- CAPLETTE, R. K.**
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
- CAPPS, J. E.**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- CAREN, R. P.**
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- CARL, C.**
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
- Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- CARL, G. R.**
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- CARLE, C. E.**
Reel safety brake
[NASA-CASE-XLA-11960-1] c 37 N77-14479
- CARLE, G. C.**
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- CARLISLE, T. E.**
Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- CARLSON, A. W.**
Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390
- CARLSON, H. W.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- CARLSON, R. L.**
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- CARLSON, W. C. A.**
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- CARMIN, D. L., JR.**
Anti-fog composition
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- CARMODY, R. J.**
Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- CARO, E. R.**
High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711
- CARO, EDWARD**
Coaxial cable connector
[NASA-CASE-NPO-16964-1CU] c 33 N87-15414
- CARON, P. R.**
Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- CARPINI, T. D.**
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- CARR, W. F.**
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
- CARRAWAY, J. B.**
Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- CARRENO, VICTOR A.**
Single frequency multitransmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863
- CARROLL, W. F.**
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- CARSLEY, R. B.**
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
- CARSON, J. W.**
Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- CARSON, L. M.**
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- CARSON, P. R.**
Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- CARSON, W. N., JR.**
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
- CARTER, A. F.**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661
- CARTER, J. M.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

- CARTER, W. K.**
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- CARUSO, A. J.**
Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
- CARUSO, V. P.**
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
- CARVER, V. C.**
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- CASE, M. C.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- CASEY, L. O.**
Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526
- CASH, W. H., JR.**
Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- CASHION, K. D.**
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
- CASON, R. L.**
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- CASTLE, K. D.**
Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
- CASTLEMAN, K. R.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- CASTON, D.**
High temperature emittance coatings and coating compositions
[NASA-CASE-MSC-18851-1] c 27 N82-26460
- CATLAW, T. G.**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- CAUDILL, L. O.**
Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- CECCON, H. L.**
Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- CELLIER, A.**
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- CEPOLINA, F. J.**
Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
- CERINI, D. J.**
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- CERVENKA, P. O.**
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
- CHAI, A. T.**
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- CHAMBERLAIN, F. R.**
Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- CHAMBERS, A. B.**
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- CHAMIS, C. C.**
Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- CHAN, P. C. F.**
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- CHAN, T. S.**
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205
- CHANDLER, J. A.**
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080
Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599
Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605
Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284
- CHANDLER, JOSEPH A.**
Multi-path peristaltic pump
[NASA-CASE-MSC-20907-1] c 37 N87-18818
- CHANDLER, W. A.**
Cryogenic storage system Patent
[NASA-CASE-MSC-04390] c 31 N70-41871
- CHANEY, R. E.**
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- CHANG-DIAZ, FRANKLIN R.**
Infusion extractor
[NASA-CASE-MSC-20761-1] c 37 N87-15465
- CHANG, C. C.**
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- CHAO, J. I.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- CHAPMAN, C. P.**
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
Servo-controlled intravitral microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- CHAPMAN, R. M.**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- CHAPPELLE, E. W.**
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- CHARLES, J. F.**
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
- CHARLESTON, A.**
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- CHARLTON, K. W.**
Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- CHARNOSKY, A. J.**
Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
- CHASE, E. W.**
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- CHASE, W. D.**
Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
Full color hybrid display for aircraft simulators
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- CHEATHAM, D. C.**
Spacecraft docking and alignment system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- CHEN, B. C. J.**
Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- CHEN, C. J.**
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- CHEN, D. Y.**
Hybrid power semiconductor
[NASA-CASE-LEW-13922-1] c 33 N86-20672
- CHEN, T. S.**
Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
Perfluoro (Imidoylamidine) diamidines
[NASA-CASE-ARC-11402-3] c 23 N86-21582
High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
- CHEN, TIMOTHY S.**
Preparation of B-Trichloroborazine
[NASA-CASE-ARC-11643-1-SB] c 23 N87-15275
Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908
- CHEN, W.**
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- CHEN, W. S.**
Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- CHENG, C. H.**
Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
Perfluoro (Imidoylamidine) diamidines
[NASA-CASE-ARC-11402-3] c 23 N86-21582
- CHENG, D. Y.**
Reversed cowl flap inlet thrust augmentor
[NASA-CASE-ARC-10754-1] c 07 N75-24736
System for measuring Reynolds in a turbulently flowing fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517
System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- CHENG, L. J.**
Floating emitter solar cell junction transistor
[NASA-CASE-NPO-16467-1-CU] c 33 N86-24908
- CHENG, LI-JEN**
Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1CU] c 76 N87-15883
- CHERDAK, A. S.**
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
- CHERN, S. S.**
Chemical vapor deposition reactor
[NASA-CASE-NPO-13650-1] c 25 N79-28253
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- CHERNOFF, R.**
Frequency translating phase conjugation circuit for active retrodirective antenna array
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- CHERNOFF, R. C.**
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- CHESTNUTT, D.**
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

- CHI, K.**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- CHIAO, R. Y.**
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
- CHILDRESS, J. D.**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- CHILDS, J. H.**
High-vacuum condenser tank for ion rocket tests
Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- CHILENSKI, J. J.**
Ignition system for monopropellant combustion devices
Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
- CHILTON, R. G.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- CHIOA, R. Y.**
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system
Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- CHISEL, D. M.**
Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
- CHONG, C. F.**
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- CHOW, E. Y.**
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
- CHOWNING, D.**
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- CHREITZBERG, A. M.**
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
- CHRISTENSEN, W. W.**
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- CHRISTMAN, L. M.**
Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922
- CHRISTOPHER, P. A.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- CHRISTY, C. L., JR.**
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- CHU, H. P.**
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550
- CHU, T. L.**
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- CHUBB, D. L.**
Thermionic photovoltaic energy converter
[NASA-CASE-LEW-14077-1] c 44 N85-34441
- CHUBB, DONALD L.**
Gas particle radiator
[NASA-CASE-LEW-14297-1] c 35 N87-15452
- CHUMLEY, J. F.**
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- CHUTJIAN, A.**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- CHUTJIAN, A. N.**
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127
- CIEMPLUCH, C. C.**
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- CISSELL, R. E.**
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
- CISZEK, T. F.**
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- CLAING, R. G.**
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- CLANCY, J. P.**
Universal clamp
[NASA-CASE-MSC-20549-1] c 37 N86-19612
- CLAPP, W. M.**
Increasing efficiency of switching type regulator circuits
Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- CLARK, C. E.**
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- CLARK, F. L.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00377] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- CLARK, H. K.**
Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- CLARK, I. O.**
Ampoule sealing apparatus and process
[NASA-CASE-LAR-12847-1] c 33 N83-16633
Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800
- CLARK, J. R.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- CLARK, K. H.**
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N84-14423
Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560
Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991
Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N86-19603
- CLARK, R. K.**
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- CLARK, R. L.**
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- CLARK, R. T.**
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
- CLARKE, D. R.**
Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- CLATTERBUCK, C. H.**
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146
- CLAUS, R. O.**
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
- CLAUSS, R. C.**
Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521
Refrigerated coaxial coupling
[NASA-CASE-NPO-13504-1] c 33 N75-30430
Reflected-wave maser
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- CLAWSON, G. T.**
Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- CLAY, D. R.**
Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- CLAY, F. P., JR.**
Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- CLELAND, E. L.**
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- CLEMENS, G. W., JR.**
Deep space monitor communication satellite system
Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- CLEMENS, P. W.**
Device for configuring multiple leads
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- CLEMENT, W. G.**
Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- CLEMENTS, P. A.**
System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- CLEMMONS, D. L., JR.**
Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- CLEMMONS, J. I., JR.**
Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651
- CLEMMONS, JAMES I., JR.**
Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761
- CLEMONS, J. M.**
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N86-23750
- CLEVELAND, G. J.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- CLEVENSON, S. A.**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- CLICKNER, R. E., JR.**
Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
- CLIFF, R. A.**
Data processor having multiple sections activated at different times by selective power coupling to the sections
Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-12602
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171
Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- CLIFF, W. C.**
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- CLINE, R. W.**
Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- CLOTFELTER, W. N.**
Apparatus for the determination of the existence or non-existence of a bonding between two members
Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511

- CLOUGH, L. G.**
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
- CLOYD, R. A.**
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469
- COBIN, J. C.**
Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162
- COCCA, F. J.**
Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457
- COE, C. F.**
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- COE, H. H.**
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
- COE, P. L., JR.**
Supersonic transport
[NASA-CASE-LAR-11932-1] c 05 N78-32086
- COFER, W. R., III**
Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1CU] c 35 N86-29174
- COFFINBERRY, G. A.**
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389
- COHEN, D.**
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
- COHEN, E. A.**
Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
- COHEN, M. F.**
Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
- COHEN, M. M.**
Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N86-20751
- COHEN, MARC M.**
Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N87-16918
- COHEN, N. S.**
Nitramine propellants
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- COHEN, R. A.**
A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
- COHN, E. M.**
Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
- COHN, R. B.**
Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975
- COHN, S. B.**
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- COKER, L. R.**
Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- COLBURN, M. E.**
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- COLE, H. A., JR.**
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
- COLE, M. A.**
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- COLE, P. T.**
Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
- COLEMAN, A. D.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- COLES, W. D.**
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
- COLLIER, L.**
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- COLLIN, E. E.**
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
- COLLINS, D. D.**
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
- COLLINS, D. F., JR.**
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- COLLINS, E. R.**
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480
Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- COLLINS, E. R., JR.**
Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443
Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
Active hold-down for heat treating
[NASA-CASE-NPO-16892-1CU] c 37 N87-14704
Passively activated prehensile digit for a robotic end effector
[NASA-CASE-NPO-16766-1CU] c 37 N87-14705
- COLLINS, EARL R., JR.**
High intensity casting system
[NASA-CASE-NPO-16901-1CU] c 31 N87-15327
Tank tread assemblies with track-linking mechanism
[NASA-CASE-NPO-16321-1CU] c 37 N87-17034
- COLLINS, V. G.**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1CU] c 35 N86-29174
- COLLINS, W. A.**
Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595
- COLONY, J. A.**
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- COMPTON, L. E.**
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- CONANT, J. E.**
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
- CONE, C. D., JR.**
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- CONGER, C. C.**
Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226
- CONIGLIO, G. V.**
Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- CONN, J. H.**
Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
- CONNELL, E. W.**
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
- CONNELL, J. W.**
Polyenamides from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1CU] c 27 N86-19462
- CONNELLY, D. L.**
Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- CONNOLLY, D. J.**
Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- CONNOLLY, J. P.**
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- CONNORS, J. F.**
Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
- CONRAD, E. W.**
Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
- CONRAD, W. M.**
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- CONSTANTINIDES, N. J.**
Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- CONSTANTINIDES, N. J.**
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- CONWAY, E. J.**
Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- COOGAN, J. M.**
Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
- COOK, C. E.**
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- COOK, T. A.**
Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- COOK, W. M., JR.**
Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- COOLIDGE, J. E.**
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- COOM, G. W.**
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- COOPER, C. R.**
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
- COOPER, D. W.**
Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446

- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- COOPER, L. P.**
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- COOPER, W. E.**
Collapsible Apollo couch
[NASA-CASE-MS-C-13140] c 05 N72-11085
- COPELAND, J. T., JR.**
High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411
- CORBIN, P. L.**
Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
- CORCORAN, W. H.**
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- CORLEY, R. C.**
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- CORNETT, J. E.**
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- CORNILLE, H. J., JR.**
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- CORNISH, S. D.**
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- CORREALE, J. V.**
Absorbent product to absorb fluids
[NASA-CASE-MS-C-18223-1] c 24 N82-29362
Absorbent product and articles made therefrom
[NASA-CASE-MS-C-18223-2] c 54 N84-11758
- CORSMEIER, R. J.**
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- CORSON, B. W., JR.**
Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374
Cascade plug nozzle
[NASA-CASE-LAR-11674-1] c 07 N76-18117
- CORWIN, R. R.**
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- COSTAKOS, N. C.**
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- COSTEN, R. C.**
Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
- COSTES, N. C.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- COSTOGUE, E. N.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- COSTON, R. M.**
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- COTE, C. E.**
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- COUCH, L. M.**
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- COUCH, R. H.**
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- COULBERT, C. D.**
Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
- COULSON, C. E.**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- COULTRIP, R. H.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- COUVILLON, L. A., JR.**
Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- COWAN, J. J.**
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
- COWDIN, K. T.**
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- COWELL, T. E.**
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- COX, J. A.**
Analog-to-digital converter
[NASA-CASE-MS-C-13110-1] c 08 N72-22163
- COYNER, J. V.**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- CRABILL, N. L.**
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
- CRAIG, G. D.**
Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647
Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348
- CRAIG, H. M.**
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- CRAIG, R. A.**
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
- CRAIGHEAD, N. D., II**
Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
- CRAMER, P. W., JR.**
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- CRAWFORD, D. W.**
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- CRAWFORD, R.**
Solar energy powered heliotope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- CRAWFORD, R. F.**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479
- CRAWFORD, W. E.**
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
- CREASY, W. K.**
Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- CREE, D.**
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
- CREE, R. F.**
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- CREEDON, J. F.**
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- CREEL, T. R., JR.**
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- CREPEAU, P. C.**
Flexible, repairable, pottable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
- CRESS, S. B.**
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- CRESSEY, J. R.**
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- CREWS, J. H., JR.**
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
- CRIBB, H. E.**
Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108
Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
- CROFT, R. M.**
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- CROFTS, D. E.**
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- CROONQUIST, A. P.**
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
- CROSSLEY, E. A., JR.**
Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N86-24993
- CROWELL, W. F.**
Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- CROUCH, C. E.**
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- CROUCH, H. W.**
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- CROUCH, R. K.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800
- CROW, R. B.**
Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
- CROWELL, R. T.**
System and method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
- CRUM, G. W.**
Foot pedal operated fluid type exercising device
[NASA-CASE-MS-C-11561-1] c 05 N73-32014
- CRUMPLER, J. F.**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- CRUMPLER, W. B.**
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
- CRUTCHER, J. E.**
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- CUBBISON, R. W.**
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
- CUBLEY, H. D.**
Antenna array phase quadrature tracking system Patent
[NASA-CASE-MS-C-12205-1] c 07 N71-27056

D

CUDDIHY, E. F.

Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524

CULLER, V. H.

Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703

CULOTTA, R. F.

Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358

CULP, D. H.

Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385

CUNNINGHAM, ALLEN R.

Method and apparatus for measuring frequency and phase difference
[NASA-CASE-MSC-20865-1] c 32 N87-18692

CUNNINGHAM, H. R.

Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779

CUNNINGHAM, J. W.

Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 34 N83-28356

CUNNINGHAM, R. E.

Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333

CURREN, A. N.

Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587

CURRIE, J. R.

Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861

Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139

Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473

Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145

Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

Multi-channel temperature measurement amplification system
[NASA-CASE-MFS-23775-1] c 44 N82-16474

Solar energy control system
[NASA-CASE-MFS-25287-1] c 44 N82-18686

Photoelectric detection system
[NASA-CASE-MFS-23776-1] c 33 N82-28545

Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055

CURRIE, R. E., JR.

Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502

CURRY, J. E.

Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905

CURRY, K. C.

Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445

CURRY, R. E.

Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643

CURTIS, D. L.

Life support system
[NASA-CASE-MSC-12411-1] c 05 N72-20096

CYGNAROWICZ, T. A.

System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694

CZARCINSKI, E. A.

Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624

DABNEY, R. W.

Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877

DAEGES, J. J.

Motor run-up system
[NASA-CASE-NPO-13374-1] c 33 N75-19524

DAHLM, W. K.

Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753

DAILED, J. J.

Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

DAILEY, C. C.

Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486

Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880

DALE, W. J.

Method of fabricating an article with cavities
[NASA-CASE-LAR-10318-1] c 31 N74-18089

Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260

DALELIO, G. F.

Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236

Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239

Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242

Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243

Aromatic diamine-aromatic dialdehyde high molecular weight schiff base polymers prepared in a monofunctional schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

DALY, W. M.

Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504

DAME, J. M.

High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383

DAMERON, C. E.

Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

DAMMIG, A. H., JR.

Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442

DANCHENKO, V.

Radiation hardening of MOS devices by boron
[NASA-CASE-GSC-11425-1] c 76 N74-20329

Radiation hardening of MOS devices by boron
[NASA-CASE-GSC-11425-2] c 76 N75-25730

DANE, D. H.

Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341

Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689

Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805

Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494

Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463

Sprag solenoid brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976

Orthotic arm joint
[NASA-CASE-MFS-21611-1] c 54 N75-12616

Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460

DANELLIS, J. V.

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

DANGLE, E. E.

Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980

DANIELS, A.

Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574

DANIELS, H. J.

Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986

DANIELS, J. G.

Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N86-23750

DANSKIN, J. H.

Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058

DARCEY, R. J.

Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621

DARGO, D.

Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

DARR, J., JR.

Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254

DARROW, W. E., JR.

Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224

DASGUPTA, K.

Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491

DASTOOR, M. N.

Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

DAUD, T.

Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-15670-1] c 44 N81-19558

Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922

Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933

DAUD, TAHER

Method for growing low defect, high purity crystalline layers utilizing lateral overgrowth of a patterned mask
[NASA-CASE-NPO-15813-2] c 76 N87-15882

High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399

DAVARIAN, F.

Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121

DAVENPORT, ARTHUR K.

High effectiveness contour matching contact heat exchanger
[NASA-CASE-MSC-20840-1] c 34 N87-18779

DAVID-MALIG, M. A.

Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

DAVID, R. M.

Insulated electrocardiographic electrodes
[NASA-CASE-MSC-14339-1] c 05 N75-24716

DAVIDS, L. H.

Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

DAVIDSON, A. C.

Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640

DAVIDSON, G. A.

Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389

DAVIDSON, J. K.

Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

DAVIDSON, J. R.

Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357

DAVIDSON, J. S. W.

Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815

DAVIES, W. D. T.

Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243

DAVIS, A. J.

Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616

DAVIS, B. K.

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392

Solar energy power system
[NASA-CASE-MFS-21628-1] c 44 N75-32581

- Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
- DAVIS, D. C.**
Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- DAVIS, D. P.**
Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
- DAVIS, E. J.**
Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
- DAVIS, E. S.**
Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797
Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157
- DAVIS, J. G., JR.**
Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
- DAVIS, J. P.**
Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228
- DAVIS, J. W.**
Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
- DAVIS, L. P.**
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- DAVIS, N. S.**
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- DAVIS, R. C.**
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
- DAVIS, W. T.**
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
Missile rolling tail brake torque system
[NASA-CASE-LAR-12751-1] c 15 N84-16231
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
- DAVISON, E. H.**
Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
- DAVISON, H. W.**
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
- DAWN, F. S.**
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
Lightweight electrically-powered flexible thermal laminate
[NASA-CASE-MSC-12662-1] c 33 N79-12331
Absorbent product to absorb fluids
[NASA-CASE-MSC-18223-1] c 24 N82-29362
Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758
- DAY, J. L.**
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
- DAY, R. M.**
Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294
- DAYAN, V. H.**
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- DEA, J. Y.**
Constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- DEADMORE, D. L.**
Method of protecting a surface with a silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Silicon-slurry/aluminate coating
[NASA-CASE-LEW-13343] c 26 N83-31795
- DEATON, E. T., JR.**
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
- DEBNAM, W. J. J.**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- DEBNAM, W. J., JR.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Ampoule sealing apparatus and process
[NASA-CASE-LAR-12847-1] c 33 N83-16633
Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800
- DEBOO, G. J.**
Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172
Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420
- DECARLO, F. S.**
Failure detection and control means for improved drift performance of a gimbalized platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- DECKER, A. J.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- DEDOLPH, R. D.**
Rotary plant growth accelerating apparatus
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- DEERKOSKI, L. F.**
Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
- DEFURIA, R. R.**
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- DEGEER, M. D.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- DEGRASSE, R. W.**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- DEIS, B. C.**
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112
- DEL CASALE, L. A.**
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- DEL CURTO, B.**
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- DEL DUCA, A.**
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- DELANO, C. B.**
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- DELAPLAIN, R. W.**
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- DELAURE, L. A.**
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- DELGREGO, D. J.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- DELUCA, J. J.**
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- DELVIGS, P.**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- DEMING, J. W.**
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- DEMOGENES, C.**
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- DEMOREST, K. E.**
Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- DEMPSEY, T. K.**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- DENACI, D. E.**
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- DENEFF, D. E.**
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- DENNIS, D. V.**
Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522
- DEO, N.**
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
- DERESPINIS, SILVIO F.**
Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036
- DERING, V. G.**
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- DERR, L. J.**
Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319
Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- DESCAMP, V. A.**
Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- DESTESE, J. G.**
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
- DETTING, J. R.**
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
- DETWEILER, H. K.**
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
- DEVINE, D. L.**
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

- DEVINE, E. J.**
Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- DEWHIRST, D. L.**
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
- DEWITT, R. L.**
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- DEYOUNG, ANEMARIE**
Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N87-17026
- DEYOUNG, R. J.**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- DI LOSA, V. J.**
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- DIAMOND, D. D.**
Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544
- DIAMOND, R. M.**
Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- DIBATTISTA, J. D.**
Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- DICKENS, L. E.**
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
- DICKERSON, G. E.**
Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- DICKINSON, R. M.**
Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- DIETRICH, F. J.**
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- DILL, W. P.**
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- DILLARD, P. A.**
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- DILLON, R. F., JR.**
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- DIMEFF, J.**
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182
Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095
Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098
Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
- Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
Chromato-fluorographic drug detector
[NASA-CASE-ARC-10633-1] c 25 N74-26947
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector
[NASA-CASE-ARC-10631-1] c 74 N76-20958
Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- DIRUSSO, E.**
Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N86-25790
- DIVSALAR, DARIUSH**
Treillis coded modulation for transmission over fading mobile-satellite channel
[NASA-CASE-NPO-16904-1-CU] c 32 N87-18691
- DIX, M. G.**
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
- DIXON, D. S.**
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413
- DIXON, G. V.**
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- DOBIES, E. F.**
Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- DOD, L. R.**
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- DOGGETT, R. V., JR.**
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- DOLAND, G. D.**
Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- DOLLAND, C. R.**
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- DOLLYHIGH, S. M.**
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- DOMACK, CHRISTOPHER S.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
- DOMAS, P. A.**
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- DOMBROWSKI, H. G.**
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
- DONALDSON, R. W.**
Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N86-24978
- DONALDSON, R. W., JR.**
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- DONNELLY, P. C.**
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- DONNINI, J. M.**
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
- DONOHUE, J. H.**
Passive dual spin misalignment compensators
[NASA-CASE-GSC-11479-1] c 35 N74-28097
Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
- DONOVAN, B. P.**
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
- DONOVAN, G.**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- DONOVAN, R. P.**
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- DOONG, H.**
Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501
Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522
- DORNE, A.**
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- DOTSON, W. P., JR.**
Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081
- DOTTS, R. L.**
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
Attachment system for silica tiles
[NASA-CASE-MSC-18741-1] c 27 N82-29456
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- DOUGHERTY, H. B.**
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- DOUGHTY, R. A.**
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- DOUGLAS, J.**
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
- DOUGLAS, J. L.**
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
- DOW, M. B.**
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- DOW, N. F.**
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
- DOWLER, W. L.**
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
- DOWNING, R. G.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- DOWNS, W. R.**
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MSC-12408-1] c 46 N74-13011
- DOYLE, J. C.**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- DRAPEAU, D. F.**
Slow opening valve
[NASA-CASE-MSC-20112-1] c 37 N85-20338
- DREIBACH, F. W.**
Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- DRESHFIELD, R. L.**
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- DRESSER, H. S.**
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
- DREXHAGE, M. G.**
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
- DREYFUS, M. G.**
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449

E

DRISCOLL, K. L.
Means for accommodating large overstrain in lead wires
[NASA-CASE-LAR-10168-1] c 33 N74-22865

DROST, E. J.
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

DRUMMOND, A. S.
Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204

DU PONT, P. S.
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726

DUBEY, M.
Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531

DUBOIS, R. D.
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

DUBUSKER, W.
Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376

DUCKETT, J.
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449

DUDLEY, MICHAEL E.
High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N87-18561

DUESBERG, J. D.
Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736

DUFFY, J. O.
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

DUNAETZ, R. A.
Flexible, repairable, pottable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881

DUNAVANT, J. C.
Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037

DUNN, J. G.
Satellite interlace synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149

DUNN, J. H.
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579

DUNN, S. A.
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568

DUNN, S. T.
Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341

DUNN, T. J.
Pre-stressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 16 N84-22601

DUNN, W. F.
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

DUNN, W. R.
Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112

DUNNAVANT, W. R.
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807

DUNNING, J. W., JR.
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983

DUPRAW, W. A.
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527

DURAN, E. N.
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338

DURNEY, G. P.
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

DUSTIN, M. O.
Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
Shock position sensor for supersonic inlets
[NASA-CASE-LEW-11915-1] c 35 N76-14431

DWINELL, W. S.
System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415

EASLEY, W. C.
Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245

EASTERLING, M. E.
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308

EASTERLING, M. F.
Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253

EASTON, R. A.
Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172

EATON, L. R.
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374

EBERSOLE, T. J.
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

EBIHARA, B. T.
Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149
Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489

EBY, R. J.
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829

ECKERT, E. R. G.
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226

ECKLES, P. N.
High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147

ECONOMU, M. A.
Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

ECORD, G. M.
Densification of porous refractory substrates
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates
[NASA-CASE-MSC-18736-1] c 24 N83-13172

EDDINS, T. O.
Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845
Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353

EDELSTEIN, F.
Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N86-20721
Monogroove cold plate
[NASA-CASE-MSC-20946-1] c 34 N86-32661

EDLESON, S. K.
Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897

EDMAN, C. W.
Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610

EDWARDS, G. G.
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087

EDWARDS, J. W.
Apparatus for damping operator induced oscillations of a controlled system
[NASA-CASE-FRC-11041-1] c 33 N82-18493

EDWARDS, T. R.
Filtering device
[NASA-CASE-MFS-22729-1] c 32 N76-21366
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701

EGGER, R. L.
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587

EGGERS, A. J., JR.
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087

EGLI, A. O.
Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N86-25478

EGLI, P. H.
Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

EHL, J. H.
Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841

EHRENFELD, D. A.
Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710

EICHENBRENNER, F. F.
Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
Anti-buckling fatigue test assembly
[NASA-CASE-LAR-10426-1] c 09 N74-19528

EICHENTHAL, J.
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857

EISENBERGER, I.
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707

EL-AASSER, M. S.
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

ELACHI, C.
Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919

ELBER, W.
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

ELDER, N. D.
Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693

ELIA, A. D.
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27400

ELIASON, J. T.
Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635

ELKIN, B. R.
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951

ELKINS, B. R.
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355

ELKINS, W.
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Liquid cooled brasserie and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736

ELLEMAN, D. D.
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837

- Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
- Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
- Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
- Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- ELLERN, W. B.**
Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- ELLINGSWORTH, J. R.**
Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- ELLIOTT, D. G.**
Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
- Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
- Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
- Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
- Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- ELLIOTT, R. L.**
Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- ELLIS, D. R.**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- ELLIS, H., JR.**
Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- ELLIS, S. G.**
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
- Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
- ELSNER, N. B.**
Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- EMDE, W. D.**
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- EMERY, J. C.**
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- ENGEL, A.**
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
- Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- ENGLAND, C.**
Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- ENGLAR, K. G.**
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
- ENIE, R. B.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- ENRIQUEZ, E. A.**
System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
- ENSTROM, R. E.**
Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- EPPS, C. H., JR.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- EPSTEIN, J.**
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
- EPSTEIN, P.**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- ERB, R. B.**
Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
- ERICKSON, W. D.**
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
- Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
- ERNEST, J. B.**
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- ERPENBACH, H.**
Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
- Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
- Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
- ERRETT, D. D.**
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
- ESCHER, W. J. D.**
Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
- Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
- Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
- ESGAR, J. B.**
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
- Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
- ESKEW, M. H., JR.**
Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
- ESPY, P. N.**
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688
- ESTES, E. G.**
Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
- ESTES, M. F.**
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
- Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
- ESTEY, R. S.**
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
- ESTRELLA, C. A.**
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- ETHRIDGE, E. C.**
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718
- ETSION, I.**
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- ETZEL, J. G.**
Laser measuring system for incremental assemblies
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- EUBANKS, A. G.**
Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- EULITZ, W. R.**
Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- EVANS, D. D.**
Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- EVANS, D. G.**
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
- Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895
- EVANS, E. H.**
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
- EVANS, F. D.**
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- EVANS, G. A.**
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- EVANS, H. E.**
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
- EVANS, J.**
Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
- Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
- Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- EVANS, J. C., JR.**
Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
- High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
- Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
- Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- High voltage V-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- EVANS, J. M., JR.**
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- EVANS, K. C.**
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- EVANS, L. G.**
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
- EVANS, P. K.**
Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450

- EVENSEN, D. A.**
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
- EVVARD, J. C.**
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
- EWEN, H. I.**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- EXTON, R. J.**
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216
Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N87-14669
- EZEKIEL, F. D.**
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- EZZELL, S. A.**
Polyimides containing ATBN elastomers and the process for preparing same
[NASA-CASE-LAR-13178-1] c 27 N86-20565
- ## F
- FACEMIRE, B. R.**
Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004
- FAETH, P. A.**
Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
- FAGET, M. A.**
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
- FAGG, M. F.**
Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114
- FAGOT, R. J.**
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- FAKAN, J. C.**
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
- FALBEL, G.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- FALES, C. L., JR.**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- FALK, W. C.**
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528
- FANG, P.**
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- FANNIN, B. B.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- FARHOOMAND, J.**
Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N86-20779
- FARMER, M. G.**
Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448
- FARNSWORTH, D. L.**
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- FARNSWORTH, F. D.**
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- FARRELL, R.**
Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
- FARRIS, C. D.**
Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- FARTHING, W. H.**
Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- FASSBENDER, A. G.**
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- FAULKNER, R. D.**
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
- FAY, R. J.**
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460
- FEAKES, F.**
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
- FEALEY, R. D.**
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- FEARNEHOUGH, H. T.**
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- FEATHERSTON, A. B.**
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
- FEDOR, J. V.**
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- FEDORS, R. F.**
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- FEHRENKAMP, L. G.**
Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- FEILER, C. E.**
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
- FEINBERG, P. M.**
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- FEINSTEIN, L.**
Microwave flow detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
- FEINSTEIN, S. P.**
Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
- FELDSTEIN, C.**
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- FELL, D. M.**
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- FELTNER, W. R.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
- FENG, S. Y.**
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
- FENTRESS, C. E.**
Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346
- FENWICK, J. R.**
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- FERGUSON, R. E.**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- FERRARA, L. J.**
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
- FESSLER, T. E.**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- FEWELL, L. L.**
Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carboranylchlorotriphosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- FIELDS, S. A.**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- FLET, O. O.**
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
- FIGGINS, D. A.**
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- FILIP, G. L.**
Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- FINDL, E.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- FINK, J. W.**
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- FINKE, R. C.**
Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 33 N86-20671
- FINLEY, T. D.**
Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
- FINLEY, W. R.**
Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
- FINNERTY, A. A.**
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- FINNIE, C. J.**
Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- FISCHELL, D. R.**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- FISCHER, J. A.**
Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
- FISCHER, J. R.**
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342

- FISH, D. C.**
Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- FISH, R. H.**
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- FISH, R. M.**
Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
- FISHER, A.**
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
- FITCH, E. J.**
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- FITTING, R. C.**
Phase modulator Patent
[NASA-CASE-MS-C-13201-1] c 07 N71-28429
- FITTON, J. A., JR.**
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- FITZER, G. E.**
Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493
- FITZGERALD, D. J.**
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
- FITZGERALD, J. J.**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- FITZGERALD, J. W.**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- FITZGERALD, T. M.**
A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
- FITZMAURICE, M. W.**
Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- FLAGGE, B.**
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- FLAHERTY, R.**
Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- FLAMM, D. L.**
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- FLANNERY, E. J.**
Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- FLATAU, C. R.**
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MS-C-14245-1] c 18 N75-27041
- FLATTAU, T.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- FLEETWOOD, C. M.**
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- FLEETWOOD, C. M., JR.**
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- FLEISCHMAN, G. L.**
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- FLEMING, D. P.**
Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490
- FLETCHER, E. A.**
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- FLETCHER, I. L.**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- FLETCHER, J. C.**
Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- FLETNER, W. R.**
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
- FLIPPIN, A.**
Sun angle calculator
[NASA-CASE-MS-C-12617-1] c 35 N76-29552
- FLORES, A. L.**
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
- FLOYD, E. L.**
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- FOGAL, G. L.**
Automatic biowaste sampling
[NASA-CASE-MS-C-14640-1] c 54 N76-14804
Fluid mass sensor for a zero gravity environment
[NASA-CASE-MS-C-14653-1] c 35 N77-19385
- FOHLEN, G. M.**
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
Amine terminated bispartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
Metal (2) 4,4',4'',4''' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376
Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455
Aminophenoxycyclotriphosphazene cured epoxy resins and the composites, laminates and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N86-21686
Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416
Amine terminated bispartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
- FOHLEN, GEORGE M.**
Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
- FONG, W. S.**
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- FONTANA, A.**
Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269
- FONTES, M. J.**
Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
- FOOTE, R. H.**
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- FORBES, JOHN C.**
Orbital maneuvering end effectors
[NASA-CASE-MFS-28161-1] c 37 N87-18817
- FORBES, S. G.**
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- FORD, A. G.**
Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
Speed control device for a heavy duty shaft
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- FORD, F. C.**
Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- FORD, F. E.**
Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
- FORD, L. B.**
Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- FORD, R. R.**
Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- FOREHAND, L.**
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- FORESTIERI, A. F.**
Method of making silicon solar cell array
[NASA-CASE-LEW-11069-1] c 44 N74-14784
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- FORLIFER, W. R.**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- FORMAN, R.**
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N85-29149
- FORSYTHE, A. K.**
Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
- FORTIER, E. P.**
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- FORTINI, A.**
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
Heat exchanger and method of making
[NASA-CASE-LEW-12441-1] c 34 N79-13289
Heat exchanger and method of making
[NASA-CASE-LEW-12441-2] c 34 N80-24573
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- FOSTER, J. V.**
Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
- FOSTER, L. E.**
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- FOSTER, T.**
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- FOUTCH, G. L.**
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- FOWLER, J.**
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MS-C-12743-1] c 32 N79-10263
- FOWLER, J. T.**
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
- FOX, R. L.**
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125

- Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
- Inductive energy for rapid strain gauge attachment
[NASA-CASE-LAR-13237-1] c 35 N86-24960
- A method of estimating the molecular weight of polymeric materials
[NASA-CASE-LAR-13212-1] c 27 N87-10206
- FOX, W. E.**
- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
- FRALEY, T. O.**
- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- FRANCISCO, A. C.**
- Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
- FRANCISCUS, L. C.**
- Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- FRANK, ARTHUR M.**
- Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036
- FRANK, H. A.**
- Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- FRANKE, J. M.**
- Laser Doppler velocity simulator
[NASA-CASE-LAR-12176-1] c 36 N80-16321
- Direction sensitive laser velocimeter
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- FRANKLIN, C. R.**
- Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- FRANKLIN, W. J.**
- Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
- Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- FRASER, A. S.**
- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- FRAZE, R. E.**
- Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
- FRAZER, R. E.**
- Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
- Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
- Strong thin membrane structure
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- Apparatus for endoscopic examination
[NASA-CASE-NPO-14092-1] c 52 N80-16725
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- FRAZIER, D. O.**
- Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004
- FRAZIER, DONALD O.**
- Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N87-19116
- FRAZIER, M. J.**
- Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- FRECHE, J. C.**
- High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
- External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
- Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
- Nickel base alloy
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- FREDD, E. H.**
- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- FREDRICKSON, C. A.**
- Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
- FREEDMAN, L. A.**
- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- FREEMAN, E. T.**
- Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- FREEMAN, R. S.**
- Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
- FREGGERS, R. A.**
- Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
- FRENCH, J. R.**
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- FRENCH, K. R.**
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- FRENCH, J. C.**
- Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
- FRIEDRICH, C. W.**
- Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
- FRIEDMAN, H. J.**
- Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- FRIEDEL, M. V.**
- Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- FRIEDERICH, J. E.**
- Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
- FRIEDLANDER, S. K.**
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- FRIEDMAN, GARY L.**
- Local area network with fault-checking, priorities and redundant backup
[NASA-CASE-NPO-16949-1-CU] c 62 N87-19021
- FRIEDRICH, E. W.**
- Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
- FRIICHTENICHT, J. F.**
- Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- FRIPP, A. L.**
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- FRIPP, A. L., JR.**
- Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800
- FRISBIE, H. F.**
- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- FRITZ, W. M.**
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- FRITZEN, M., JR.**
- Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
- FRIZZILL, A. W.**
- Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- FROELING, S. C.**
- Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- FROST, J. D., JR.**
- EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
- Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
- Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
- FRYER, T. B.**
- Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
- RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
- Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- FUCHS, J. C.**
- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- FUHR, W.**
- Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- FUHRMEISTER, P. F.**
- Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
- FUJIOKA, R. S.**
- Folding structure fabricated of rigid panels
[NASA-CASE-HSC-02146] c 18 N75-27040
- FULCHER, C. W. G.**
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- FULCHER, R. W.**
- Low speed phaselock speed control system
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- FULLER, H. V.**
- Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
- Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
- Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882
- FULTON, D. S.**
- Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431
- FUNG, L. W.**
- Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
- FUNK, B. H., JR.**
- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
- FURCINITI, C. A.**
- Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390
- FURMAN, E. R.**
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 31 N78-17237
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- FURNER, R. L.**
- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- FURTSCH, T. A.**
- Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- FURUMOTO, H. W.**
- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- FYLER, N. F.**
- Very high intensity light source using a cathode ray tube
[NASA-CASE-XNP-01296] c 33 N75-27250
- FYMAT, A. L.**
- Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446
- High resolution Fourier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
- Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364

G

- GALEMA, S. D.**
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- GABROVIC, L. J.**
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- GADDIS, D. H.**
- Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403

- GADDIS, J. L.**
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- GADDY, E. M.**
Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
- GADE, D. W.**
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- GAETANO, G.**
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
- GAHN, R. F.**
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721
Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680
- GAISER, E. E.**
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- GALE, G. P.**
Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
- GALEN, T. J.**
Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N86-26595
- GALL, PETER D.**
Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535
- GALLAGHER, B. D.**
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- GALLAGHER, H. E.**
Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
- GALLO, A. J.**
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- GALLOWAY, C. W.**
Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
- GAMBLE, J. D.**
Aerobraking orbital transfer vehicle
[NASA-CASE-MSC-20921-1] c 18 N86-20471
- GAMMELL, P. M.**
Hyperthermia heating apparatus
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- GANGULI, P. S.**
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- GARAVAGLIA, A. P.**
Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915
- GARBA, J. A.**
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- GARCIA, R. D.**
Radiative cooler
[NASA-CASE-NPO-15465-1] c 34 N84-22903
- GARD, L. H.**
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- GARDNER, D. A.**
Apparatus and method of capturing an orbiting satellite
[NASA-CASE-MSC-20979-1] c 37 N86-19614
- GARDNER, D. E.**
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
- GARDNER, J. N.**
Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
- GARDNER, M. R.**
Heating and cooling system
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- GARDNER, M. S.**
Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- GARDOS, M. N.**
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
- GARFEIN, A.**
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- GARMIRE, E. M.**
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
- GARMIRE, G.**
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
- GARNER, H. D.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N86-25292
Improved flux-gate magnetometer
[NASA-CASE-LAR-13560-1] c 35 N86-32701
- GARRAHAN, N. M.**
Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
- GARREN, J. F., JR.**
Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- GARRETT, H.**
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- GARWOOD, D. C.**
Ionization vacuum gauge Patent
[NASA-CASE-XNP-00646] c 14 N70-35666
- GARY, B. L.**
CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
- GASSER, M. G.**
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
- GASTON, D. H.**
Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033
- GASTON, R. P., JR.**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- GATES, D. W.**
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- GATES, J. D.**
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
- GATES, L. E., JR.**
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- GATEWOOD, J. R.**
Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
- GATLIN, J. A.**
Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
- GATTI, A.**
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- GAUSE, R. L.**
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Manual actuator
[NASA-CASE-MFS-21481-1] c 37 N74-18127
Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864
Ergometer calibrator
[NASA-CASE-MFS-21045-1] c 35 N75-15932
- GAUTHIER, M. K.**
Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- GAVALAS, G. R.**
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- GAVIRA, H. E.**
Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
- GAVRILLIS, T. G.**
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
- GAY, C. H., JR.**
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- GDULA, W. G.**
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- GEBBEN, V. D.**
Circuit for detecting initial systole and diastolic notch
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- GEDWILL, M. A.**
Method of protecting the surface of a substrate
[NASA-CASE-LEW-11696-1] c 37 N75-13261
Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- GEE, S. W.**
Terminal guidance system
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- GEHRING, W. E.**
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- GEIDEMAN, W. A., JR.**
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- GEIER, D. J.**
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- GEIPEL, D. H.**
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- GEISE, P. E., JR.**
FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- GELB, L. L.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- GELDERLOOS, H. J. C.**
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
- GELLES, R.**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
- GENNERY, D. B.**
Programmable pipelined image processor
[NASA-CASE-NPO-16461-1CU] c 60 N86-23283
Neighborhood comparison operator
[NASA-CASE-NPO-16464-1CU] c 60 N86-24224

GENTER, R. E.

- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- GEORGE, T. R., JR.**
Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
- GERDTS, J. C.**
Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- GERINGER, H. J.**
Induction furnace with perforated tungsten foil shielding
Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
- GERMANN, E. F., JR.**
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- GERTSMA, L. W.**
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
- GETCHELL, D. E.**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
- GETTELMAN, C. C.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- GIACCONI, R.**
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- GIANATASIO, A.**
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- GIANDOMENICO, A.**
Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
- High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
- GIANNINI, G. M.**
Combination automatic-starting electrical plasma torch and gas shutoff valve
[NASA-CASE-XLE-10717] c 37 N75-29426
- GIBSON, F. W.**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204
- GIFFIN, C. E.**
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- GILBERT, G. J.**
Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
- GILBREATH, W. P.**
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- GILCHRIST, C. E.**
Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
- GILES, R. M. F.**
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
- GILKISON, C. A.**
Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962
- GILL, W. L.**
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
- GILLERMAN, J. B.**
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
- GILLESPIE, W., JR.**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
- Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
- Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
- Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052
- GILLETTE, R. B.**
Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- GILLEY, G. C.**
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914

GILLEY, P. J.

- Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476
- GILLIGAN, J. E.**
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- GILLILAND, C. S.**
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- GILLMORE, W. F.**
Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177
- GILMAN, M. M.**
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
- GILREATH, M. C.**
Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- GILWEE, W. J., JR.**
Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
- GIN, B.**
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- GIN, W.**
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- GINER, J. D.**
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- GINSBURG, A.**
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- GIORGINI, E. A.**
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- GIOVANNETTI, A., JR.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- GIRALA, A. S.**
Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
- Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
- GISLER, G. L.**
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670
- Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670
- GLASER, P. E.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- GLASGOW, T. K.**
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
- Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- GLASS, JAMES S.**
Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035
- GLASSEY, E. A.**
Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
- GLAWE, G. E.**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- GLEASON, J. R.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- GLEKAS, L. P.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- GLENN, C. G.**
Manual actuator
[NASA-CASE-MFS-21481-1] c 37 N74-18127
- Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864

GLENN, D. C.

- Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
- Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
- GLOBUS, R. H.**
Process of forming particles in a cryogenic path
Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- GLOMB, W. L.**
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
- Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- GLORIA, H. R.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- GOERING, R. S.**
Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672
- GOETZ, A. F. H.**
Multispectral imaging and analysis system
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- GOETZ, C.**
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- GOLD, H.**
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- GOLD, H. S.**
Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
- GOLDBERG, G. I.**
Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- GOLDBERG, J.**
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
- GOLDEN, D. P., JR.**
Contourograph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225
- Apparatus and method for processing Korotkov sounds
[NASA-CASE-MSC-13999-1] c 52 N74-26626
- GOLDMAN, G. C.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- GOLDOWSKI, M. P.**
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337
- GOLDOWSKY, M. P.**
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
- GOLDSBERRY, R. E.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- GOLDSCHMIED, F. R.**
Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- GOLDSMITH, J. V.**
Solar battery with interconnecting means for plural cells
Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
- Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
- Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
- GOLDSTEIN, A. W.**
Supersonic fan blading
[NASA-CASE-LEW-11402-1] c 07 N74-28226
- GOLDSTEIN, B. E.**
Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- GOLDSTEIN, C. S.**
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
- GOLDSTEIN, H.**
Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442
- GOLDSTEIN, H. E.**
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376

- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- GOLDSTEIN, I.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- GOLDSTEIN, R.**
Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- GOLDSTEIN, R. M.**
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
- Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
- Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
- Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711
- GONZALEZ-SANABRIA, O. D.**
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- GOODFRIEND, R.**
Cutting head for ultrasonic lithotripsy
[NASA-CASE-GSC-12944-1] c 52 N86-19885
- GOODLOE, R. R.**
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- GOODRICH, J. A.**
Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
- GOODWIN, F. E.**
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- GOODWIN, R. A.**
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- GOODYER, M. J.**
Stagnation pressure probe
[NASA-CASE-LAR-11139-1] c 35 N74-32878
- GOOKIN, R. E.**
System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296
- GORADIA, C. P.**
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- GORDON, B. L.**
Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485
- GORDON, STEPHEN S.**
Self-clamping arc light reflector for welding torch
[NASA-CASE-MFS-29207-1] c 74 N87-15786
- Welding torch with arc light reflector
[NASA-CASE-MFS-29134-1] c 74 N87-17493
- GORDON, W. A.**
Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987
- GORELICK, D.**
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- GORSTEIN, M.**
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- GOSS, W.**
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- GOSS, W. C.**
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N86-20129
- GOULD, C. W.**
Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
- GOULD, J. M.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- GOULD, W. I., JR.**
Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
- GRAAB, J. W.**
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- GRABOWSKI, J. P.**
Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- GRAESE, R. W.**
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- GRAFF, J.**
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- GRAFSTEIN, D.**
Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- GRAHAM, L. J.**
Acoustic emission frequency discrimination
[NASA-CASE-MSC-20467-1] c 35 N87-14676
- GRAHAM, O. L.**
Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109
- Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MSC-20821-1] c 17 N86-20466
- GRAHAM, R. A.**
Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- GRAHAM, R. W.**
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- GRAN, A. A.**
Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- GRANA, D.**
Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- GRANA, D. C.**
Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
- Natural turbulence electrical power generator
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493
- Flow through bacteria detection system
[NASA-CASE-LAR-12871-1] c 35 N85-29218
- GRANATA, R. L.**
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- GRANETT, D.**
Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752
- GRANT, D. J.**
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
- Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
- GRANT, G. R.**
Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- GRANT, M. M.**
Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
- GRANT, P. A.**
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
- GRANT, W. B.**
Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- GRANTHAM, W. L.**
Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
- Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980
- GRASSO, A. P.**
Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403
- GRATZ, R. F.**
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-1] c 23 N87-14432
- New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N87-14433
- GRAY, C. E.**
Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
- GRAY, D. L.**
Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- GRAY, D. T.**
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- GRAY, J. L.**
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
- GRAY, N. C.**
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- GRAY, O. E.**
Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549
- GRAY, V. H.**
Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
- GRAYSON, J. H.**
Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
- GREBE, V. J.**
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- GREEB, F. J.**
Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- GREEN, A. T.**
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- GREEN, C. W., JR.**
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- GREEN, E. D.**
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- GREEN, G.**
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- GREEN, K. A.**
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- GREEN, R. G.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692

- Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- GREEN, R. R.**
Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- GREEN, W. L.**
Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- GREENBERG, J.**
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
- GREENLEAF, J. E.**
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- GREENWOOD, T. D.**
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- GREENWOOD, T. L.**
Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- GREGORY, D. A.**
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
- GREGORY, J. W.**
Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
- GREGORY, T. J.**
Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- GRIEVE, S. M.**
Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
- GRIFFIN, C. E.**
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- GRIFFIN, C. R.**
Antenna deployment mechanism for use with a spacecraft
[NASA-CASE-GSC-12031-1] c 16 N80-14183
- GRIFFIN, F. D.**
Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- GRIFFIN, R. N.**
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- GRIFFIN, W. S.**
Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741
- GRIFFITH, G. E.**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- GRIMALDI, MARGARET E.**
Space station erectable manipulator placement system
[NASA-CASE-MSC-21096-1] c 18 N87-18596
- GRINER, D. B.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- GRISAFFE, S. J.**
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
Nickel aluminide coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
Method of protecting the surface of a substrate
[NASA-CASE-LEW-11696-1] c 37 N75-13261
Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
Fused silicide coatings containing discrete particles for protecting niobium alloys
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- GRISWOLD, R. H., JR.**
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- GROBMAN, J.**
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- GROHMANN, K.**
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- GROOM, N. J.**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-1] c 35 N79-26372
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- GROSE, W. L.**
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- GROSS, C.**
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
- GROSS, W. J.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- GROTH, W. G.**
Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
- GROVE, C. H.**
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- GROVES, W. O.**
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- GRUBBS, T. M.**
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599
- GRUBER, C. L.**
Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- GRUBER, R. P.**
Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663
- GRUNBAUM, B. W.**
Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- GRUNTHANER, F. J.**
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- GUEST, S. H.**
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- GUILLOTTE, R. J.**
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
- GUISINGER, J. E.**
Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
Thermomagnetic recording and magneto-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- GUIST, L. R.**
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- GUNGLE, R. L.**
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
- GUNTER, W. D., JR.**
Multiple pass reimagining optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783
Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N86-24978
- GUNTER, WILLIAM D., JR.**
Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N87-17026
- GUPTA, A.**
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- GURTLER, C. A.**
Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
- GUSSOW, S. S.**
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- GUSTAFSON, G. L.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- GUSTINCIC, J. J.**
Microwave limb sounder
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- GUTKOWSKI, G. P.**
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744
- GUTHALL, R. L.**
Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- GUY, J. T., SR.**
Disk pack cleaning table Patent Application
[NASA-CASE-XLA-10590-1] c 15 N70-26819
- GYORGAK, C. A.**
Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817

H

- HABBAL, N. A.**
Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164
- HABRA, J. H.**
Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- HAEDEK, V.**
Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- HADLAND, W. O.**
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
- HADLEY, H. C., JR.**
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- HADT, W. F.**
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- HADY, W. F.**
High speed, self-acting shaft seal
[NASA-CASE-LEW-11274-1] c 37 N75-21631
- HAHN, C. L.**
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- HAERTHER, L. W.**
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- HAUSSERMAN, W.**
Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396
Magnetic field control
[NASA-CASE-MFS-23828-1] c 33 N82-26569
- HAFLE, R. S.**
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- HAGEDORN, N. H.**
Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721
- HAGIHARA, F. S.**
Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
- HAGOOD, G. J., JR.**
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- HAINES, R. F.**
Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
Simulator scene display evaluation device
[NASA-CASE-ARC-11504-1] c 09 N86-32447
- HALE, R. R.**
Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- HALEY, C. T.**
Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- HALEY, F. C.**
Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- HALL, A. C.**
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- HALL, D. F.**
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
- HALL, E. D.**
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- HALL, E. H.**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- HALL, J. B., JR.**
Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- HALL, J. F., JR.**
Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
- HALL, J. H.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- HALLAM, K. L.**
Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732
- HALLBERG, F. C.**
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083
- HALLLOCK, J. N.**
Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- HALPERT, G.**
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- HAMERMESH, C. L.**
Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- HAMLET, J. F.**
Automatic quadrature control and measuring system
[NASA-CASE-MFS-21660-1] c 35 N74-21017
LC-oscillator with automatic stabilized amplitude via bias current control
[NASA-CASE-MFS-21698-1] c 33 N74-26732
- HAMMACK, J. B.**
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- HAMMOND, A. D.**
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- HANCHAY, K. K.**
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- HAND, P. J.**
Temperature compensated digital inertial sensor
[NASA-CASE-NPO-13044-1] c 35 N74-15094
- HANDLYKKEN, M. B.**
Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- HANDSCHUH, R. F.**
Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N86-32740
- HANGER, R. T.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- HANKINSON, T. W. E.**
Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- HANNA, M. F.**
Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
- HANSEN, D. O.**
Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293
- HANSEN, G. R.**
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- HANSEN, G. R., JR.**
Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
- HANSEN, I. G.**
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
- HANSEN, S.**
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966
Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429
- HANSON, M. P.**
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
- HANSON, P. W.**
Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264
- HANSON, R. N.**
Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- HANST, P. L.**
Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832
- HAQ, K. E.**
A method for the deposition of beta-silicon carbide by isopitaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
- HARADA, Y.**
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- HARALSON, H. S.**
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- HARAWAY, W. M., JR.**
Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- HARD, T. M.**
Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- HARDGROVE, W. F.**
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- HARDY, J. C.**
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
- HARF, F. H.**
Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N86-26414
- HARMAN, J. N., III**
Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
- HARMS, V. W.**
Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
- HAROULES, G. G.**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- HARPER-TERVET, J.**
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- HARPER, C. A.**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- HARPER, L. L.**
Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- HARPER, P. M., SR.**
Improved tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N80-18402

- Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
- HARRAP, V.**
Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
- HARRIGILL, W. T., JR.**
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- HARRIS, D. M.**
Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- HARRIS, R. F.**
Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
- HARRIS, R. P.**
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- HARRIS, R. V., JR.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- HARRISON, D. R.**
Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202
- HARRISON, E. S.**
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- HARRISON, F. L.**
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- HARRISON, R. G., JR.**
Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- HARSTAD, K. G.**
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- HART-SMITH, L. J.**
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630
- HARTENSTEIN, R. G.**
Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- HARTING, D. R.**
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
- HARTMANN, M. J.**
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- HARTOP, R. W.**
Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- HARVEY, G. A.**
Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419
- HARVEY, W. D.**
Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
- HARWELL, R. J.**
Nonflammable coating compositions
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- HARWELL, W. D.**
Apparatus and method of capturing an orbiting satellite
[NASA-CASE-MSC-20979-1] c 37 N86-19614
- HASBACH, W. A.**
Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
- HASKELL, R. E.**
Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584
Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297
- HASLETT, R. A.**
Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N86-27593
- HASLIM, L. A.**
Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797
- HASSAN, AHMED A.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
- HASSLER, J. M., JR.**
Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314
- HASSON, D. F.**
Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- HATAKEYAMA, L. F.**
Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853
- HATCH, J. E.**
Energy conversion apparatus Patent
[NASA-CASE-LAR-00212] c 03 N70-34134
- HATCHER, N. M.**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
- HATFIELD, J. J.**
Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507
- HATHAWAY, M. E.**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
- HAUGE, G.**
Low distortion automatic phase control circuit
[NASA-CASE-MFS-21671-1] c 33 N74-22885
- HAURY, V. E.**
Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699
Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
- HAUSER, J. A.**
High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- HAVENS, D. E.**
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- HAVENS, S. J.**
Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N86-24840
Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N86-25477
Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526
- HAVENS, STEPHEN J.**
Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907
- HAWKINS, C. A.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- HAWLEY, J. J.**
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
- HAWLEY, W. W.**
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- HAYDEN, R. R.**
Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
- HAYES, D. P.**
Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N86-24993
- HAYNES, D. P.**
Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
- HAYNES, J. L.**
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- HAYNIE, C. C.**
Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- HAYNIG, C. C.**
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- HAYNOS, J. G.**
Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- HAYS, L. G.**
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
Flow control valve
[NASA-CASE-NPO-11951-1] c 37 N74-21065
- HEARN, C. P.**
Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- HEBERLIG, J. C.**
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
- HECHT, R.**
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- HECKELMAN, J. D.**
Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
- HECKLER, C. H.**
Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- HEDGEPEETH, J. M.**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N87-14413
- HEDLUND, R. C.**
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
- HEER, E.**
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- HEFFERMAN, J. T.**
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- HEFFERNAN, J. T.**
Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225
- HEFLINGER, I. O.**
Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
Microbalance
[NASA-CASE-MSC-11242] c 35 N78-17358
- HEFNER, J. N.**
Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
- HEIDMANN, M. F.**
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
- HEIDT, M. F.**
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- HEIER, W. C.**
Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133

- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124
- Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
- Molding apparatus
[NASA-CASE-LAR-10489-2] c 31 N74-32920
- Evacuated, displacement compression mold
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- Molded composite pyrogen igniter for rocket motors
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- HEIMBUCH, A. H.**
Chromato-fluorographic drug detector
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
- HEIMBUCH, ALVIN H.**
Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
- Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908
- HEIMERL, G. J.**
Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
- HEIN, L. A.**
Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
- Spherical bearing
[NASA-CASE-MFS-23447-1] c 37 N79-11404
- Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
- Resilient seal ring assembly with spring means applying force to wedge member
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- HEINDL, J. C.**
Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
- HEINEMANN, K.**
Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732
- Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- HEINEY, O. K.**
Self-obturator, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247
- HEISMAN, R. M.**
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- HELBERT, W. B., JR.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- HELD, D. N.**
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- HELLBAUM, R. F.**
Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
- HELLER, C.**
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469
- HELLER, J. A.**
Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- HELLMANN, R. F.**
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- HELMAN, D. D.**
Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- HELMES, C. R.**
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- HENDEL, F. J.**
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
- HENDERSON, D. E.**
Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114
- HENDERSON, M. E.**
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- HENDRICKS, H. D.**
Method of detecting oxygen in a gas
[NASA-CASE-LAR-10668-1] c 06 N73-16106
- HENLEY, W. H.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- HENNIGAN, T. J.**
Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
- Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
- Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
- HENRY, A. W.**
Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- HENRY, B. Z., JR.**
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- HENRY, V. F.**
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- HEPNER, T. E.**
Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154
- HEPPNER, J. P.**
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- HERBELL, T. P.**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- HERGENROTHER, P. M.**
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 27 N84-22747
- Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom
[NASA-CASE-LAR-13262-1] c 23 N85-28973
- Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-2] c 27 N86-21675
- Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
- Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526
- The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515
- HERGENROTHER, PAUL M.**
Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907
- HERMAN, C. F.**
Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- HERMANN, A. M.**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- HERMESMEYER, C. E.**
Method and apparatus for quadruphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- HEROLD, C. P.**
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- HERR, R. W.**
A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
- HERRMANN, A. L.**
Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
- HERRON, B. G.**
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
- HESLIN, T. M.**
Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471
- HESPEINHIDE, W. H.**
Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
- HESS, D. A.**
Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
- Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- HESS, R. V.**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
- Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- HESS, R. W.**
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- HESTER, H. B.**
Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
- HETHCOAT, J. P.**
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
- HEWES, D. E.**
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
- Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- HEWITT, D. R.**
Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- HEYMAN, J. S.**
Ultrasonic calibration device
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
- Pseudo continuous wave instrument
[NASA-CASE-LAR-12260-1] c 35 N79-10390
- CDS solid state phase insensitive ultrasonic transducer
[NASA-CASE-LAR-12304-1] c 35 N80-20559
- Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
- Pulsed phase locked loop strain monitor
[NASA-CASE-LAR-12772-1] c 33 N83-16626
- Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
- Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559
- HEYSER, R. C.**
Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
- Method for shaping and aiming narrow beams
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- HEYSON, H. H.**
Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246
- HIEDA, L. S.**
Controller for computer control of brushless dc motors
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- HIGA, W. H.**
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190

- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
- Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- HIGBY, R. F.**
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- HIGH, R. W.**
Meteoroid capture cell construction
[NASA-CASE-MSC-12423-1] c 91 N76-30131
- HILBERT, E. E.**
Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
- Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- HILBORN, E. H.**
Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
- Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
- HILDEBRANDT, A. F.**
Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
- Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
- Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
- Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
- HILDNER, E.**
Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 74 N86-20124
- HILKER, W. R.**
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- HILL, E. K.**
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
- HILL, O. E.**
Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
- Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
- HILL, P. R.**
Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
- Kinesthetic control simulator
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- HILL, W. E.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- HILLBERG, E. T.**
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
- HILLBORN, E. H.**
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- HILLIS, D. A.**
Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- HILLMAN, C. E., JR.**
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
- HILLMAN, J. J.**
Thermal compensator for closed-cycle helium refrigerator
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- HILTON, G. E.**
Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- HIMMELRIGHT, R. M.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- HINKLEY, E. D., JR.**
Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- HINKLEY, J. A.**
Polyimides containing ATBN elastomers and the process for preparing same
[NASA-CASE-LAR-13178-1] c 27 N86-20565
- HIRAYAMA, C.**
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- HIRSHFIELD, S. M.**
Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- HITCHMAN, M. J.**
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- HOBART, H. F.**
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- HOBBS, A. J.**
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
- HOBLIN, L. E.**
Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
- HOCHMAIR, E. S.**
Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
- Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
- Integrable power gyrator
[NASA-CASE-MFS-22342-1] c 33 N75-30428
- HODDER, D. T.**
Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- HODGE, P. E.**
Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- HODGES, D. H.**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- HODO, J. D.**
Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N86-32770
- HOFFLER, G. W.**
Apparatus and method for processing Korotkov sounds
[NASA-CASE-MSC-13999-1] c 52 N74-26626
- Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
- HOFFMAN, C. A.**
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- HOFFMAN, D. G.**
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- HOFFMAN, E. L.**
Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135
- HOFFMAN, H. C.**
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
- Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
- Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064
- HOFFMAN, I. S.**
Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
- Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
- Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
- HOFFMAN, L. A.**
Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
- HOFFMAN, T. E.**
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- HOHL, F.**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- HOKLO, K. H.**
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
- HOLDMAN, L. B.**
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- HOLDEN, G. R.**
Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- HOLDERER, O. C.**
Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
- HOLDERMAN, L. B.**
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320
- HOLDREN, R. T., III**
Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
- HOLES, J. K.**
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- HOLESKI, D. E.**
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- HOLKO, K. H.**
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
- Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
- Diffusion welding in air
[NASA-CASE-LEW-11387-1] c 37 N74-18128
- Diffusion welding
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- HOLLAHAN, J. R.**
Method of preparing water purification membranes
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- HOLLAND, L. R.**
Apparatus and method for heating a material in a transparent ampoule
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- HOLLAND, V. B.**
Signal conditioning circuit apparatus
[NASA-CASE-ARC-10348-1] c 33 N75-19518
- HOLLANDER, J.**
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- HOLLANHAN, J. R., JR.**
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- HOLLEMAN, E. C.**
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
- HOLLENBAUGH, R. C.**
Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
- Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
- Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
- Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
- HOLLEY, L. D.**
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
- HOLLIDAY, M. L.**
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
- HOLLIDAY, R. J.**
Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760
- HOLLIS, B. R., JR.**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
- Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
- Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- HOLLOW, R. H.**
Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288

- Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629
- HOLMAN, E. V.**
Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
- HOLMES, B. K.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- HOLMES, BRUCE J.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535
- HOLMES, H. K.**
Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
- HOLMES, J. F.**
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- HOLMES, L., JR.**
Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031
- HOLMES, M.**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- HOLMES, R. F.**
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- HOLMES, S. J.**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
- HOLMES, T. H.**
Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
- HOLMES, W. T.**
Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
- HOLMSTROM, F. R.**
Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
- HOLLOWACH, J.**
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- HOLT, H. M.**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- HOLT, J. W.**
Attachment system for silica tiles
[NASA-CASE-MSC-18741-1] c 27 N82-29456
Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- HOLT, M. I.**
Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
- HOLT, W. H.**
Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-1] c 26 N87-10192
- HOLTZE, R. F.**
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
- HOLWAY, H. P.**
Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- HOMKES, R. J.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- HONEY, R. W.**
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
- HONEYCUTT, L., III**
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- HONG, J. P.**
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- HONG, S. D.**
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- HONNELL, M. A.**
Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- HOOD, R. T.**
Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037
- HOOD, W. R.**
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- HOOP, J. M.**
Method and apparatus for nondestructive testing
[NASA-CASE-MFS-21233-1] c 38 N74-15395
Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
- HOOPER, C. D.**
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
- HOOPER, S. L.**
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N85-21595
- HOOVER, R. B.**
Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
Multiplate focusing collimator
[NASA-CASE-MFS-20932-1] c 35 N75-19616
Method for retarding dye fading during archival storage of developed color photographic film
[NASA-CASE-MFS-23250-1] c 35 N82-11432
Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015
Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 74 N86-20124
Multispectral glancing incidence X-ray telescope
[NASA-CASE-MFS-28013-1] c 89 N86-22459
- HOOVER, R. J.**
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
- HOPKINS, P. M.**
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- HOPKINS, V.**
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
- HOPPER, J. H.**
Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- HOPPING, R. L.**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- HORNE, W. B.**
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
- HORNER, J. L.**
Optical noise suppression device and method
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- HORTON, D. B.**
Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
- HORTON, J. C.**
Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- HORTTOR, R. L.**
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
- HOSENTHIEN, H. H.**
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- HOTZ, G. M.**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- HOUCK, W. H.**
Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- HOUSEMAN, J.**
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
Combustion engine
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- HOWARD, E. A.**
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- HOWARD, F. S.**
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744
- HOWARD, J. C.**
Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
- HOWARD, P. W.**
Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
- HOWARD, W. D.**
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
- HOWARD, W. H.**
Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
Tread drum for animals
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- HOWARTH, J. T.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
- HOWE, R. D.**
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- HOWE, T. L.**
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- HOWELL, B. J.**
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732
- HOWELL, J. R.**
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234

HOWELL, W. E.

- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- HOWELL, W. L.**
Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- HOWLAND, B. T.**
High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
- HOYT, H. E.**
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- HOYT, R. F.**
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
- HRACH, F. J.**
Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
- HRASTAR, J. A.**
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
- HRON, R. L.**
Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
- HRUBY, R. J.**
Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
- Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
- Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- HRYNIEWIECKI, E.**
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238
- HSU, G. C.**
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13520-1] c 27 N77-30236
- Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
- Coal desulfurization
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- HSU, L. C.**
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615

- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- HSU, M. T. S.**
Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
- High performance mixed bismide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
- Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205
- HSU, MING-TA S.**
Preparation of B-Trichloroborazine
[NASA-CASE-ARC-11643-1-SB] c 23 N87-15275
- Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
- Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908
- HSU, Y.-Y.**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- HUANG, M. Y.**
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- HUBBARD, W. P.**
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- HUBBELL, T. E., JR.**
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N86-32556
- HUBER, C. S.**
Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096
- HUBER, R. F.**
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- HUBER, W. C.**
Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
- Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
- Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
- Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- HUDGINS, J. L.**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731
- HUDDIS, M.**
Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- HUDDOCK, R. J.**
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- HUDSON, O. K.**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- HUDSPETH, T.**
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
- HUELSMAN, L. P.**
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- HUEY, D. C.**
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- HUFF, R. G.**
Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490
- HUFFAKER, R. M.**
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- HUGHES, C. T.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- HUGHES, B. C.**
Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
- HUGHES, C. T.**
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- HUGHES, D. B.**
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
- HUGHES, F. M.**
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- HULL, R. A.**
Moving body velocity arresting line
[NASA-CASE-LAR-12372-1] c 37 N82-18601
- HULT, T. D.**
Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
- HUMBERT, J. E.**
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- HUMENIK, F. M.**
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- HUMES, D. H.**
Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
- HUMMER, R. F.**
Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- HUMPHREY, D. E.**
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- HUMPHREY, M. F.**
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- HUNEIDI, F.**
Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 35 N84-28018
- HUNGERFORD, W. J.**
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- HUNKELER, R. E.**
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- HUNT, G. H.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- HUNT, J. G.**
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- HUNT, J. L.**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- HUNT, S. R., JR.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- HUNTER, R. E.**
Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
- HUNTRESS, W. T.**
Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492
- HUNTRESS, W. T., JR.**
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- HURD, W. A.**
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- HURD, W. J.**
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034

- Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
- Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
- Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
- High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1CU] c 04 N86-27270
- HURSTA, W. N.**
Logic-controlled occlusive cuff system
[NASA-CASE-MS-C-14836-1] c 52 N82-11770
- HURWITZ, F. I.**
Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- HUSAIN-ABIDI, A. S.**
Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
- HUSCHKE, E. G., JR.**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- HUSMANN, O. K.**
Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- HUSSEY, M. W.**
Filter regeneration systems
[NASA-CASE-MS-C-14273-1] c 34 N75-33342
- HUTCHINSON, W. D.**
Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
- HUTCHISON, J. J.**
Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- HUTTO, R. J.**
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
- HYMER, R. L.**
Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181
- I**
- I-LECHAO, J.**
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 54 N76-22914
- IANNINI, A. A.**
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
- Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- IANNONE, M.**
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- ICELAND, W. F.**
Grain refinement control in TiG arc welding
[NASA-CASE-MS-C-19095-1] c 37 N75-19683
- IDEN, R. B.**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- IGENBERGS, E. B.**
Self-energized plasma compressor
[NASA-CASE-MFS-22145-1] c 75 N75-13625
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- IGOE, W. B.**
Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- ILES, P. A.**
Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- ILLG, W.**
Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
- IMBOLDI, E.**
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
- IMIG, L. A.**
Anti-buckling fatigue test assembly
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- Heating and cooling system
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- IMLAY, E. H.**
Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
- INGE, S. V., JR.**
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493
- Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
- INGHAM, J. D.**
Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- INGHAM, K. T.**
Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
- INGLE, W. M.**
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- IRICK, S. C.**
Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
- Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- Continuous self-locking spiral wound seal
[NASA-CASE-LAR-12315-1] c 37 N82-24490
- IRONS, A. S.**
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- IRWIN, A. S.**
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
- IRWIN, K. S.**
Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- IRWIN, T. P.**
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- ISLEY, W. C.**
Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
- ITO, T. I.**
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- IVES, R. E.**
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- IVIE, C. V.**
Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- IWASAKI, N.**
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
- IWASAKI, R. S.**
Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
- J**
- JACK, J. R.**
Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
- Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
- JACKSON, C. M., JR.**
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- JACKSON, J. W., JR.**
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
- JACKSON, K. R.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- JACKSON, L. R.**
Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
- Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
- Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
- Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
- Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 05 N86-19310
- JACKSON, M. R.**
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
- Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
- JACOB, D. S.**
Pressure modulating valve
[NASA-CASE-MS-C-14905-1] c 37 N77-28487
- JACOBI, N.**
Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
- JACOBS, I. M.**
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- JACOBS, J. M.**
Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
- JACOBS, R. B.**
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- JACOBS, V. L.**
Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
- Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- JACOBSON, D. S.**
Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- JAGOW, R. B.**
Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MS-C-14831-1] c 25 N78-10225
- JAIN, A.**
Surface roughness measuring system
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- JAKSTYS, V. J.**
Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
- JALAN, V.**
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- JALINK, A. JR.**
Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
- Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- JALUFKA, N. W.**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- JAMES, L. W.**
III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

JAMES, N. J.
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091

JAMES, R.
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

JAMIESON, R. S.
Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484

JAMISON, H. H.
Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

JANEFF, W.
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473

JANESICK, J. R.
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037

JANKOWSKI, F.
Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463

JANNICHE, P. J., JR.
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311

JANSEN, H. B.
Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124

JARVIS, M. J.
Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431

JAVAN, A.
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614

JEANE, H. L.
Priority interrupt system
[NASA-CASE-NPO-13067-1] c 60 N76-18800

JECH, R. W.
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894

JEDLICKA, J. R.
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379

JEFFERS, E. L.
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849

JEFFERY, P. A. E.
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087

JEFFREYS, H. B.
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

JELALIAN, A. V.
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

JELLISON, J. C.
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161

JENKINS, K. H.
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796

JENKINS, L. M.
Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808

JENKINS, R. K.
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105

JENNINGS, D. E.
Thermal compensator for closed-cycle helium refrigerator
[NASA-CASE-GSC-12168-1] c 31 N79-17029

Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549

JENSEN, A. R.
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

JENSEN, B. J.
Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526
A method of estimating the molecular weight of polymeric materials
[NASA-CASE-LAR-13212-1] c 27 N87-10206
The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515

JENSEN, C. A.
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416

JENSEN, J. K.
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147

JENSEN, K. A.
Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587

JENSEN, K. J.
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366

JENSEN, P. A.
Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750

JENSEN, R. N.
Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640

JEPPENSEN, G. L.
Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540

JESSUP, A. D.
Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178

JETER, J. D.
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985

JEWELL, P. A.
Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675

JEWELL, R. A.
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

JEX, D. W.
Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931

JHABVALA, M. D.
Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

JHABVALA, M. O.
Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321

JOBSON, D. J.
Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
Photodetector array with image plane processing
[NASA-CASE-LAR-13391-1] c 74 N86-33137

JOHANSEN, K. G.
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265

JOHANSEN, D. L.
Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085

JOHNS, C. E.
Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204

JOHNSON, A. L., JR.
Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783

JOHNSON, C. B.
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850

JOHNSON, C. C.
Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
Reverse osmosis membrane of high urea rejection properties
[NASA-CASE-ARC-10980-1] c 27 N80-23452

JOHNSON, C. C., JR.
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664

JOHNSON, C. E.
Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225

JOHNSON, C. L.
Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177

JOHNSON, C. W.
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099

JOHNSON, D. L.
Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082

JOHNSON, E. G.
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140

JOHNSON, E. T.
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694

JOHNSON, F. W.
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052

JOHNSON, H. G.
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566

JOHNSON, H. I.
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
Hand-held self-manuevering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147

JOHNSON, J. C., JR.
Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045

JOHNSON, J. D.
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

JOHNSON, J. E.
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384

JOHNSON, J. E., JR.
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605

JOHNSON, J. L.
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767

- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- JOHNSON, J. L., JR.**
High lift aircraft
[NASA-CASE-LAR-11252-1] c 05 N75-25914
- JOHNSON, JOSEPH L., JR.**
Over-the-wing propeller
[NASA-CASE-LAR-13134-2] c 07 N87-16828
- JOHNSON, K. G.**
Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
- JOHNSON, R. C.**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- JOHNSON, R. D.**
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
- JOHNSON, R. E.**
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- JOHNSON, R. L.**
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- JOHNSON, R. W.**
Microwave switching power divider
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- JOHNSON, ROBERT R.**
Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613
- JOHNSON, V. E., JR.**
Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
- JOHNSTON, A. R.**
Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
Cooperative multi-axis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- JOHNSTON, D. F.**
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- JOHNSTON, E. A.**
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- JOHNSTON, G. D.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- JOHNSTON, J. D.**
Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- JOHNSTON, J. E.**
Electrostatic measurement system
[NASA-CASE-MFS-22129-1] c 33 N75-18477
- JOHNSTON, M. F.**
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- JOHNSTON, M. H.**
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932
- JOHNSTON, R. L.**
Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- JOHNSTON, R. P.**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- JOHNSTON, R. S.**
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- JOHNSTON, W. V.**
Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- JOLLEY, J.**
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
- JONES, E. W.**
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- JONES, H. C.**
Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N86-24993
- JONES, I. W.**
Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N86-24993
- JONES, J. A.**
Oxygen chemisorption cryogenic refrigerator
[NASA-CASE-NPO-16734-1-CU] c 31 N86-27467
- JONES, J. C.**
Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- JONES, J. F.**
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- JONES, J. H.**
Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- JONES, J. L.**
Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
- JONES, R. A.**
Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436
Method for determining thermo-physical properties of specimens
[NASA-CASE-LAR-11053-1] c 25 N74-18551
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- JONES, R. E.**
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
- JONES, R. H.**
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- JONES, R. J.**
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- JONES, R. L.**
Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- JONES, R. T.**
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
- JONES, W. C.**
Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- JONES, W. P.**
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
- JORDAN, A. W.**
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
- JORDON, W. J.**
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- JOSIAS, C. S.**
Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
- JOSLYN, A. W.**
Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
- JOYNER, U. T.**
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- JUDD, B. W.**
Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- JUDD, J. H.**
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- JUDY, P. F.**
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- JUERGENSEN, K.**
Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- JUHASZ, A. J.**
Controlled separation combustor
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- JURSCAGA, G. M.**
Method of fabricating an article with cavities
[NASA-CASE-LAR-10318-1] c 31 N74-18089
- JUVINALL, G. L.**
Trialkyl-dihaloantimony and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

K

- KABANA, W. P.**
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- KACHARE, AKARAM H.**
High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399
- KAHLBAUM, W. M., JR.**
Chromatically corrected virtual image display
[NASA-CASE-LAR-12251-1] c 74 N79-14892
Chromatically corrected virtual image visual display
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- KAISER, J. A., JR.**
Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- KALFAYAN, S. H.**
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
- KALIL, L. F.**
Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N86-19580
- KALKBRENNER, R. W.**
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- KALLINS, C.**
Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371
- KALLVINSKAS, J. J.**
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- KALSHOVEN, J. E., JR.**
Method of and apparatus for measuring temperature and pressure
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- KALVINSKAS, J. J.**
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- KAMI, S.**
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
- KAMINSKAS, R. A.**
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348
- KAMMERMEYER, K.**
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742

KAMPINSKY, A.

Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009

KANABUS, E. W.

Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836

KANBER, H.

Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827

KANE, J. O.

Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363

KANE, T. R.

Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624

KANETKAR, SHARAD V.

Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761

KAPUSTKA, R. E.

Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531

KARIGAN, G. H.

Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399

KARLOTIS, A. H.

Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323

KARSH, I.

Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710

KASPERECK, W. E.

Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692

Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386

Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377

KAST, H. B.

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

KASTAN, H.

Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563

KASTNER, S. O.

Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140

KATOW, M. S.

Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285

KATVALA, V. W.

Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260

Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492

KATZ, J.

Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305

KATZ, L.

Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705

Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

KATZ, M. G.

Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361

KATZ, N. H.

Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151

KATZBERG, S. J.

Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014

Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904

KATZEN, E. D.

Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876

KATZIN, L.

Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455

KAUFMAN, H. R.

Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889

Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245

Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661

Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173

KAUFMAN, J. W.

Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460

Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828

KAUFMAN, W. B.

High current electrical lead
[NASA-CASE-LEW-10950-1] c 33 N74-27683

KAUFMANN, J. J.

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

KAVANAUGH, C.

Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729

KAVAYA, M. J.

Stark effect spectrophone for continuous absorption spectra monitoring
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943

Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

KAZAROFF, J. M.

Heat exchanger and method of making
[NASA-CASE-LEW-12441-1] c 34 N79-13289

Heat exchanger and method of making
[NASA-CASE-LEW-12441-2] c 34 N80-24573

Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519

KAZNOFF, A. I.

Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729

KAZOKAS, G. P.

Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612

KEAFER, L. S., JR.

Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-2] c 70 N74-13436

Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879

KEARNS, W. J.

Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357

KEATHLEY, W. H.

Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679

Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450

KEATING, J. M.

Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

KEEFER, J. M.

Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606

KEENE, W. H.

Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

KEETON, A. R.

Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494

KEHLET, A. B.

Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924

Space capsule Patent

[NASA-CASE-XLA-00149] c 31 N70-37938

Space capsule Patent

[NASA-CASE-XLA-01332] c 31 N71-15664

KELBAUGH, B. N.

Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011

KELLER, E. E.

Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463

KELLER, G. C.

Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234

KELLER, O. F.

Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603

KELLER, V. W.

Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398

Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951

Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355

KELLEY, H. L.

Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

KELLEY, J. R.

Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422

KELLEY, W. W.

Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152

KELLS, M. C.

Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232

KELLY, D. L.

Multistage aerospace craft
[NASA-CASE-XMF-02263] c 05 N74-10907

KELLY, H. N.

Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886

KELLY, T. P.

Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532

KELLY, W. L., IV

Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904

KELLY, W. W.

Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

KELM, J. S.

Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195

KELSEY, E. L.

Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984

SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514

KEMP, K. L.

Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321

KEMP, R. F.

Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-18014

KEMP, R. H.

Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577

KENDAL, J. M.

Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583

KENDALL, J. M.

Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

KENDALL, J. M., JR.

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

KENDALL, J. M., SR.

Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475

Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323

KENDRICK, W. P.

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125

- KENNEDY, B. W.**
Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951
- KENNEWAY, A. J., III**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- KENNEY, R. L.**
Geneva mechanism
[NASA-CASE-NPO-13281-1] c 37 N75-13266
- KENT, W. D.**
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- KENYON, G. C.**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- KEPLER, C. E.**
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
- KERLEY, J. J.**
Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
- KERLEY, J. J., JR.**
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- KERN, C. V.**
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
- KERN, J. D.**
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- KERNODLE, B. H.**
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- KERR, J. H.**
Traffic survey system
[NASA-CASE-MFS-22631-1] c 66 N76-19888
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-15B] c 52 N85-20639
- KERSEY, E. D., JR.**
Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
- KERSHNER, D. D.**
Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- KERSLAKE, W. R.**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
- KERSTEN, L.**
Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
- KERWIN, W. J.**
Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- KESSEL, J. E.**
Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
- KESSINGER, R. L.**
Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375
- KEY, C. F.**
Nonflammable coating compositions
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- KEYNTON, R. J.**
Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
- KHAN, A. S.**
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- KHANNA, S. K.**
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- KHANNA, S. M.**
Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133
- KIBBE, R. K.**
Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
- KICHAK, R. A.**
Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
- KIEFER, P. J., JR.**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- KIKIN, G. M.**
Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
- KILLALEA, W. P.**
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- KILLGROVE, T. O.**
Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801
- KILLION, DERLING**
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
- KIM, C.**
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- KIM, H. H.**
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- KIM, K. M.**
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- KIMBALL, R. B.**
Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- KINARD, W. H.**
Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322
Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- KINELL, D. K.**
Four phase logic systems
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- KING, C. B.**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- KING, H. J.**
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
- KING, H. M.**
Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- KING, J. V.**
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744
- KING, R. B.**
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- KING, R. F.**
Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
- KING, R. W.**
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- KING, W. L.**
Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- KINKEAD, REBECCA L.**
Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259
- KINKEL, J. F.**
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- KINNARD, K. F.**
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- KINO, G. S.**
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- KINSEL, R. C.**
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- KINZLER, J. A.**
Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345
Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
- KIRALY, L. J.**
Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- KIRBY, C. A.**
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- KIRCHMAN, E. J.**
Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
- KIRSTEN, C. C.**
Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701
- KIS, G.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- KISSEL, R. R.**
Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439
Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055
- KISSELL, R. R.**
Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
- KISZKO, W.**
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
- KITTS, W. T.**
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- KLECHKE, E. W.**
Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
- KLEIN, E.**
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- KLEIN, E. L.**
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
- KLEIN, M. G.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- KLEINBERG, L. L.**
Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015

- Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
- Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-32320
- Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
- Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
- Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145
- JFET reflection oscillator
[NASA-CASE-GSC-12555-1] c 33 N86-19515
- Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N86-20679
- Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N86-32624
- KLEINROCK, L.**
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- KLIMA, S. J.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- KLINE, A. J.**
Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
- KLINE, A. J., JR.**
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- KLINGMAN, E. E., III**
Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
- Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
- KLISCH, J. A.**
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- KLOC, I.**
Penetrometer
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- KNAPP, M. H.**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- KNAUER, W.**
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
- KNECHTEL, E. D.**
Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
- Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
- KNOELL, A. C.**
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- KNOOS, S. P.**
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
- KO, W. L.**
Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296
- KOBAYASHI, H. S.**
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809
- Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810
- Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820
- Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
- Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N86-24879
- KOBAYASHI, HERBERT S.**
Method and apparatus for measuring frequency and phase difference
[NASA-CASE-MSC-20865-1] c 32 N87-18692
- KOBAYASHI, H. S.**
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- KOCH, E. F.**
Expulsion bladder-equipped storage tank structure Patent
[NASA-CASE-XNP-00612] c 11 N70-38182
- Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
- KOCH, K. F.**
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- KOCH, N. G.**
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- KOCZELA, L. J.**
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- KODA, N. J.**
Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
- KODIS, R. D.**
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- KOENIG, DAVID G.**
High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N87-18561
- KOEPP, G. A.**
Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- KOFEL, W. K.**
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- KOH, J. L.**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- KOHL, W. H.**
Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- KOJIMA, G. K.**
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- KOJIRO, D. R.**
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- KOLBLY, R. B.**
High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
- System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150
- KOLBY, R. B.**
Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455
- KOLIWAD, K. M.**
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- KOLOBOFF, G. J.**
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- KOLSTEE, H. M.**
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
- KONIGSBERG, E.**
Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
- KOPELSON, S.**
Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- KOPETSKI, F. J.**
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- KOPIA, L. P.**
Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-2] c 70 N74-13436
- Transmitting and reflecting diffuser
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- KORABOWSKI, J. J.**
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
- Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
- KORB, C. L.**
Method of and apparatus for measuring temperature and pressure
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- KORDES, E. E.**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- KORNFIELD, D. M.**
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- KORSCH, D. G.**
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- KORUS, R. A.**
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- KORVIN, W.**
Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- KOSCHMEDER, L. A.**
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- KOSMAHL, H. C.**
Multistage depressed collector for dual mode operation
[NASA-CASE-LEW-13282-1] c 33 N82-24415
- KOSMAHL, H. G.**
Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652
- Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
- Electron beam controller
[NASA-CASE-LEW-11617-1] c 33 N74-10195
- Gyrotrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974
- Linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-2] c 33 N86-21742
- KOSMO, J. J.**
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
- KOSSON, R. L.**
Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- KOTHE, E.**
Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- KOURTIDES, D. A.**
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- The 1-(dialkoxyposphonyl)methyl-2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
- Fire resistant polymers based on 1-((dialkoxyposphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
- Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364
- The 1-(diorganooxyphosphonyl)methyl-2,4- and -2,6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499
- Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131
- Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525
- Fire resistant polyamide based on 1-(diorganooxyphosphonyl)methyl-2,4- and -2,6-diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568
- KOVELL, S. P.**
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- KOYBAYASHI, H. S.**
Unbalanced quadrupole demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
- KOZIOL, J. S., JR.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- KRAMER, F.**
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582

- KRAMER, J. S.**
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- KRAMER, M.**
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
- KRASIN, F. E.**
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- KRATZER, R. H.**
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- KRAUSE, F. R.**
Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- KRAUSE, I. A.**
Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- KRAUSE, L. N.**
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- KRAUSE, M. C.**
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- KRAUSE, S. J.**
Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
- KRAUSHAAR, W. L.**
Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
- KRAVITZ, M.**
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427
- KRAY, W. D.**
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- KREISMAN, W. S.**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- KRIEG, H. C., JR.**
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213
- KRIEVE, W. F.**
High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201
- KROLL, K. R.**
Aerobraking orbital transfer vehicle
[NASA-CASE-MSC-20921-1] c 18 N86-20471
- KROPP, C. J.**
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
- KRSEK, A., JR.**
Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- KRUPNICK, A. C.**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
Nonflammable coating compositions
[NASA-CASE-MFS-20486-2] c 27 N74-17283
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- KUBACKI, R. M.**
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- KUBICA, A. J.**
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- KUBICZ, A. P.**
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
- Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
- KUBIK, C. F.**
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- KUBIK, J. S.**
Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- KUBOKAWA, C. C.**
Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653
- KUEBLER, M. E.**
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- KUENZLY, J. D.**
Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- KUGATH, D. A.**
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- KUHN, R. F., JR.**
Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
Internally supported flexible duct joint
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- KUHNS, P. W.**
Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- KUMAR, D.**
Amine terminated bisaspartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376
Aminophenoxycyclotriphosphazene cured epoxy resins and the composites, laminates and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N86-21686
Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416
Amine terminated bisaspartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
- KUMAR, DEVENDRA**
Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
- KUMINECZ, J. F.**
High temperature emittance coatings and coating compositions
[NASA-CASE-MSC-18851-1] c 27 N82-26460
Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
- KUO, Y. S.**
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- KUPPERIAN, J. E., JR.**
Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- KURAL, M. H.**
Strain arrestor plate for fused silica tile
[NASA-CASE-MSC-14182-1] c 27 N76-14264
- KURIGER, W. L.**
Short range laser obstacle detector
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- KURPLE, W.**
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- KURTZ, G. W.**
Two-dimensional scanner apparatus
[NASA-CASE-MFS-25687-1] c 35 N84-22928
- KURTZ, R. L.**
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402
- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
- KURVIN, C. W.**
Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007
- KURYLO, M. J., III**
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- KURZHALS, P. R.**
Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132
Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- KUSHIDA, R. O.**
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- KWONG, H.**
The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- KWONGS, H.**
Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256

L

- LA RUSSA, F. J.**
Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- LA VIGNA, T. A.**
Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
- LACEY, R. E.**
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- LACKNER, H. G.**
Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223
Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146
- LACY, L. L.**
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
Apparatus and furnace for containerless processing of high temperature materials in space
[NASA-CASE-MFS-28087-1] c 35 N86-23899
- LA FEVER, A. E.**
Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- LA FLAME, D. T.**
Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- LA IACONA, F. P.**
Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492
Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- LAINE, D. D.**
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
- LAMAR, J. E.**
Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
- LAMB, J. L.**
Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- LAMB, R. H.**
Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- LAMBSON, K. H.**
Pressure control valve
[NASA-CASE-ARC-11251-1] c 37 N81-17433
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- LAMPERT, H. M.**
Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739

LAMPTON, M. L.

Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473

LANDAUER, F. P.

Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281

LANDAUER, F. P., JR.

Multispectral imaging and analysis system
[NASA-CASE-NPO-13691-1] c 43 N79-17288

LANDEL, R. F.

Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025

Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429

Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573

Polymeric compositions and their method of manufacture
[NASA-CASE-NPO-10424-1] c 27 N81-24258

LANDES, H. S.

Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170

Thin film microwave iris
[NASA-CASE-LAR-10511-1] c 09 N72-29172

LANE, J. W.

Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438

LANEY, C. C., JR.

Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332

Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240

LANFORD, W. E.

Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180

Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981

LANG, R.

Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333

Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679

LANGE, O. H.

Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

LANGE, R. A.

Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

LANGMUIR, R. V.

Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325

LANSING, F. L.

Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474

LANSING, J. C., JR.

Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304

LANTZ, E.

Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

LARK, R. F.

Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188

LARMER, J. W.

Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705

LARSON, L. L.

Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455

LARSON, T. P.

Filter regeneration systems
[NASA-CASE-MS-14273-1] c 34 N75-33342

LATHAM, E. A.

The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154

Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

LATTO, W. T., JR.

Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992

LAU, K. Y.

Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029

LAUB, G. H.

Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700

LAUB, J. H.

Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620

LAUDENSLAGER, J. B.

Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418

Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N86-20778

LAUDERDALE, W. R.

Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222

LAUDERSLAGER, J. B.

Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402

LAUE, E. G.

Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447

Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524

Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559

Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212

A water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755

LAUE, H. H.

Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181

LAUE, J. H.

Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730

LAUGHLIN, C. R., JR.

Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958

Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090

Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287

Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841

Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080

Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174

LAUMAN, E. A.

Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526

LAURENCE, J. C.

Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571

LAURIE, R. O.

Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123

LAUSTEN, M. F.

Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MS-18852-1] c 37 N85-29283

LAUVER, R. W.

Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885

Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350

Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351

Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352

Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982

Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 25 N85-30039

LAUVIGNE, R. C.

Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090

LAWHITE, E.

Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489

LAWING, P. L.

Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

LAWRENCE, E. D.

Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810

LAWRENCE, T. R.

Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753

LAWSON, A. G.

Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886

LAWSON, B. D.

Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410

Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675

Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401

LAWSON, D. D.

Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391

Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513

Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368

Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255

LAYLAND, J. W.

Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207

Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267

LE BEL, P. J.

Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586

LE DOUX, F. N.

Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046

LE VAY, K. H.

Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311

LEATHERWOOD, J. D.

Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169

LEAVY, W. A.

Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713

Antenna deployment mechanism for use with a spacecraft
[NASA-CASE-GSC-12331-1] c 18 N80-14183

LEBLANC, L. P.

Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431

LEDBETTER, F. E.

Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N86-23750

LEDBETTER, F. E., III

Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340

Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280

LEE, C. E.

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

LEE, D. A.

Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078

LEE, D. H.

Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311

LEE, J. H.

Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573

Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542

- LEE, J. S.**
High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- LEE, M. C.**
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752
Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551
- LEE, R. D.**
Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240
Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
Ultrasonic biomedical measuring and recording apparatus
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Bio-isolated dc operational amplifier
[NASA-CASE-ARC-10596-1] c 33 N74-21851
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
Scanning seismic intrusion detection method and apparatus
[NASA-CASE-ARC-11317-1] c 35 N83-34272
Electro-explosive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150
- LEE, S. H.**
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- LEE, S. Y.**
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N86-32570
- LEE, W. S.**
Surface finishing
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
- LEEB, W. R.**
Method and apparatus for splitting a beam of energy
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- LEEPER, W. A.**
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- LEES, W. L.**
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
- LEFFKE, W. O.**
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
- LEFTWICH, R. F.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- LEGER, L. J.**
Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879
Thermal insulation attaching means
[NASA-CASE-MSC-12619-2] c 27 N79-12221
High temperature emittance coatings and coating compositions
[NASA-CASE-MSC-18851-1] c 27 N82-26460
- LEHMANN, E. N.**
Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- LEHOCZKY, S. L.**
Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004
- LEHOCZKY, SANDOR L.**
Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N87-19116
- LEIBECKI, H. F.**
Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06774-2] c 06 N72-25150
- LEIBERT, C. H.**
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- LEIBOWITZ, L. P.**
Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- LEIFFER, J. L.**
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- LEIGHTY, B. D.**
Arc lamp power supply
[NASA-CASE-LAR-13202-1] c 33 N86-32626
- LEININGER, D. B.**
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- LEINKRAM, C. Z.**
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150
- LEIPOLD, M. H.**
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
- LEISER, D. B.**
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- LEISS, A.**
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
- LEMCOE, M. M.**
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- LEMOS, F. R.**
Metallic hot wire anemometer
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- LEMSON, P. H.**
Broadband modified turnstile antenna Patent
[NASA-CASE-MSC-12209] c 09 N71-24842
- LENAHAN, D. T.**
Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- LENETT, S. D.**
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
- LENNON, C. L.**
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- LENT, W. E.**
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- LEON, H. A.**
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- LEONARD, E. T.**
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- LEPP, D. R.**
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- LERMA, G.**
Flexible diaphragm: Extreme temperature usage
[NASA-CASE-MSC-20797-1] c 37 N86-20806
- LENER, N. R.**
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- LENER, T.**
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- LESH, J. R.**
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N86-20780
- LESKO, J. G., JR.**
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- LESNIEWSKI, R. J.**
Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- LESSLEY, R. L.**
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- LESSMANN, G. G.**
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- LEVIN, H.**
Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- LEVIN, K. L.**
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- LEVINE, M. W.**
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- LEVINE, S. R.**
Fused silicide coatings containing discrete particles for protecting niobium alloys
[NASA-CASE-LEW-11179-1] c 27 N76-16229
Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- LEVINSOHN, M.**
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- LEVIS, C. A.**
Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359
- LEVY, G. S.**
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- LEWICKI, G. W.**
High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- LEWIS, B. F.**
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- LEWIS, B. W.**
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- LEWIS, D. J.**
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
- LEWIS, G. W.**
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895

- Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- LEWIS, J. R.**
Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
- LEWIS, R.**
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- LEWIS, T. L.**
Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
- LEWYN, L. L.**
Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- LI, S. P.**
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- LIBBEY, C. E.**
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
- LIBBY, J. N.**
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- LIBBY, W. F.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
- Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- LIBEROTTI, J.**
Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453
- LICHTENBERG, C. L.**
Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N86-24879
- LICHTENBERG, CHRISTOPHER**
Method and apparatus for measuring frequency and phase difference
[NASA-CASE-MSC-20865-1] c 32 N87-18692
- LIEBERMAN, S.**
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- LIEBERT, C. H.**
Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- LIENEWEG, U.**
Cross-contact chain
[NASA-CASE-NPO-16784-1] c 33 N87-10231
- LIGHT, D. J.**
Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
- LIGHTSEY, G. R.**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
- LILLEY, A. E.**
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- LIM, L. Y.**
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
- LIN, E. I. H.**
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- LINDBERG, J. G.**
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
- LINDBERG, R. A.**
High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
- Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- LINDERFELT, H. R.**
An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- LINDSEY, J. F., III**
Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720
- LINDSEY, R. S., JR.**
Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
- Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
- LINDSEY, W. C.**
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
- Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
- Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
- LINDSEY, W. F.**
Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
- LINEBACK, L. D.**
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
- LINFORD, R. M. F.**
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- LING, A. C.**
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- LING, S. C.**
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- LINGLE, J. T.**
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470
- LINIOR, W. I.**
Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N86-20125
- LIPANOVICH, M. I.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- LIPKE, D. W.**
Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- LIPKIS, R. R.**
Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- LIPOMA, P. C.**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
- Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- LIPPITT, M. W., JR.**
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
- Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
- LIPSHITZ, A.**
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- LISAGOR, W. B.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
- Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- LISLE, R. V.**
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
- Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- LISOVICZ, E. J.**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- LIST, W. F.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
- LISTER, J. L.**
Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- LITANT, I.**
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- LITCHFORD, G. B.**
Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
- LITTLE, B. D.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- LITTLE, R. E.**
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- LITTLEJOHN, D. P.**
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- LIU, C. C.**
Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- LIU, F. F.**
Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
- LIU, HUA-KUANG**
Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413
- Remotely controllable real-time optical processor
[NASA-CASE-NPO-16750-1CU] c 74 N87-19064
- LIU, J. K.**
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- LIU, K. Y.**
Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- LIVERMORE, S. F.**
Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
- LLEWELIN, WILLIAM R.**
Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037
- LLOYD, W. B.**
Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- LOCH, F. J.**
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- LOCKARD, M. L.**
Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- LOCKMAN, C. S.**
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- LOCKWOOD, V. E.**
Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
- Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
- LOFTIN, L. K., JR.**
Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
- LOGAN, K. E.**
Active lamp pulse driver circuit
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- LOGAN, W. R.**
Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- LOH, G. M.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- LOHR, J. J.**
Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- LOKERSON, D. C.**
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
- X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
- Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309
- LOMBARDI, F.**
Head for high speed spinner having a vacuum chuck
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- LONBORG, J. O.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855

- LONG, E. R., JR.**
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- LONG, H. R.**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
- LONG, M. J.**
Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
- LONG, W. C.**
Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- LONGYEAR, W. D.**
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- LOO, S.**
Fluid leak indicator
[NASA-CASE-MS-C-20783-1] c 35 N86-20756
- LOOK, G. F.**
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- LOOP, R. W.**
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- LOOSE, J. D.**
Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
- LOPEZ, A. E.**
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
- LORD, H. C., III**
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- LORELL, K. R.**
High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- LOTHSCHUETZ, F. X.**
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- LOTT, D. R.**
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- LOUGHEAD, A. G.**
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- LOUGHEAD, T. E.**
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- LOUNSBERRY, E. D.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
- LOVALL, D. D.**
Electric field measuring and display system
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- LOVELACE, A. M.**
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- LOVELL, J. S.**
Portable breathing system
[NASA-CASE-MS-C-16182-1] c 54 N80-10799
- LOVELL, R. R.**
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- LOVELOCK, J. E.**
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
- LOVINGER, D. N.**
Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
- LOWE, E. G.**
Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- LOWELL, C. E.**
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482
- LOWEN, I. B.**
Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
- LOWERY, J. R.**
Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- LOWRY, J. G.**
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- LOY, C. A.**
Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- LOYD, C.**
System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- LUBOWITZ, H. R.**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- LUCAS, C. H.**
Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345
- LUCERO, D. P.**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- LUCHT, R. A.**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- LUCY, M. H.**
Molded composite pyrogen igniter for rocket motors
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Fully redundant mechanical release actuator
[NASA-CASE-LAR-13196-1] c 37 N85-29287
- LUDWIG, A. C.**
Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676
Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- LUDWIG, L. P.**
Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570
Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
Spiral groove seal
[NASA-CASE-LEW-10326-3] c 37 N74-10474
Spiral groove seal
[NASA-CASE-XLE-10326-4] c 37 N74-15125
High speed, self-acting shaft seal
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
Counter pumping debris excluder and separator
[NASA-CASE-LEW-11855-1] c 07 N78-25090
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
- LUEBBERS, S. S.**
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- LUEBERING, G. W.**
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
- LUKENS, F. E.**
Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670
- LUM, H.**
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- LUNCE, R. S.**
Medical subject monitoring systems
[NASA-CASE-MS-C-14180-1] c 52 N76-14757
- LUND, G. F.**
Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- LUND, W. C.**
Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
- LUNDQUIST, J. R.**
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- LUPTON, M. W.**
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
- LUSHBAUGH, W. A.**
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- LUTES, G. F.**
Precise RF timing signal distribution to remote stations
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- LUTES, G. F., JR.**
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- LUTUS, P.**
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MS-C-18407-1] c 33 N82-24427
- LUTZ, E. B.**
Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
- LYLAND, J. W.**
Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- LYNCH, E. J.**
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
- LYNCH, T. L.**
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- LYON, W. E.**
Optical range finder having nonoverlapping complete images
[NASA-CASE-MS-C-12105-1] c 14 N72-21409
- LYONS, J. C.**
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

M

- MA, L. N.**
Digital numerically controlled oscillator
[NASA-CASE-MS-C-16747-1] c 33 N81-17349
- MACCONNELL, J. W.**
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- MACCONOCHIE, I. O.**
Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
- MACCONOCHIE, IAN O.**
Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259
- MACDAVID, K. S.**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- MACDORAN, P. F.**
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events [NASA-CASE-NPO-15430-1] c 46 N85-21846
- MACFADDEN, J. A.**
Rotating mandrel for assembly of inflatable devices Patent [NASA-CASE-XLA-04143] c 15 N71-17687
- MACGLASHAN, W. F.**
Power control for hot gas engines [NASA-CASE-NPO-14220-1] c 37 N81-14318
- MACGLASHAN, W. F., JR.**
Belleville spring assembly with elastic guides [NASA-CASE-XNP-09452] c 15 N69-27504
High pressure four-way valve Patent [NASA-CASE-XNP-00214] c 15 N70-36908
Multiple Belleville spring assembly Patent [NASA-CASE-XNP-00840] c 15 N70-38225
Pressure regulating system Patent [NASA-CASE-XNP-00450] c 15 N70-38603
Ejection unit Patent [NASA-CASE-XNP-00676] c 15 N70-38996
Reinforcing means for diaphragms Patent [NASA-CASE-XNP-01962] c 32 N70-41370
High pressure filter Patent [NASA-CASE-XNP-00732] c 28 N70-41447
Antiflutter ball check valve Patent [NASA-CASE-XNP-01152] c 15 N70-41811
High pressure regulator valve Patent [NASA-CASE-XNP-00710] c 15 N71-10778
Filler valve Patent [NASA-CASE-XNP-01747] c 15 N71-23024
- MACKEY, C. A.**
Quick disconnect latch and handle combination Patent [NASA-CASE-MFS-11132] c 15 N71-17649
- MACLEOD, N. H.**
Bacterial contamination monitor [NASA-CASE-GSC-10879-1] c 14 N72-25413
- MACVEIGH, G. E.**
Analog spatial maneuver computer [NASA-CASE-GSC-10880-1] c 08 N72-11172
- MADDOX, J. W.**
Air bearing [NASA-CASE-WLP-10002] c 15 N72-17451
- MADEY, J. M.**
Satellite appendage tie down cord Patent [NASA-CASE-XGS-02554] c 31 N71-21064
Redundant actuating mechanism Patent [NASA-CASE-XGS-08718] c 15 N71-24600
Rotary electric device [NASA-CASE-GSC-12138-1] c 33 N79-20314
- MADISON, I. B.**
Aerodynamic spike nozzle Patent [NASA-CASE-XGS-01143] c 31 N71-15647
- MADSEN, B.**
Apparatus and method for skin packaging articles [NASA-CASE-MFS-20855] c 15 N73-27405
- MAESTRELLO, L.**
Apparatus and method for jet noise suppression [NASA-CASE-LAR-11903-2] c 71 N84-14873
Active control of boundary layer transition and turbulence [NASA-CASE-LAR-13532-1] c 34 N86-26575
- MAHAN, J. C.**
Device for preventing high voltage arcing in electron beam welding Patent [NASA-CASE-XMF-08522] c 15 N71-19486
- MAIDEN, D. L.**
Flow velocity and directional instrument [NASA-CASE-LAR-10855-1] c 14 N73-13415
Two dimensional wedge/translating shroud nozzle [NASA-CASE-LAR-11919-1] c 07 N78-27121
- MAILLOUX, R. J.**
Array phasing device Patent [NASA-CASE-ERC-10046] c 10 N71-18722
Circularly polarized antenna [NASA-CASE-ERC-10214] c 09 N72-31235
Phase control circuits using frequency multiplications for phased array antennas [NASA-CASE-ERC-10285] c 10 N73-16206
- MAJOR, C. J.**
Mixture separation cell Patent [NASA-CASE-XMS-02952] c 18 N71-20742
- MALLING, L. R.**
Digital television camera control system Patent [NASA-CASE-XNP-01472] c 14 N70-41807
Reduced bandwidth video communication system utilizing sampling techniques Patent [NASA-CASE-XNP-02791] c 07 N71-23026
- MALMBERG, J. H.**
Waveform simulator Patent [NASA-CASE-NPO-10251] c 10 N71-27365
- MALONE, L. B.**
Emergency lunar communications system [NASA-CASE-MFS-21042] c 07 N72-25171
- MANATT, S. L.**
Audio frequency marker system [NASA-CASE-NPO-11147] c 14 N72-27408
- MANDEL, C. H.**
Azimuth laying system Patent [NASA-CASE-XMF-01669] c 21 N71-23289
- MANDELKORN, J.**
Method of making a silicon semiconductor device Patent [NASA-CASE-XLE-02792] c 26 N71-10607
Method of making electrical contact on silicon solar cell and resultant product Patent [NASA-CASE-XLE-04787] c 03 N71-20492
Gd or Sm doped silicon semiconductor composition Patent [NASA-CASE-XLE-10715] c 26 N71-23292
Silicon solar cell with cover glass bonded to cell by metal pattern Patent [NASA-CASE-XLE-08569] c 03 N71-23449
Semiconductor material and method of making same Patent [NASA-CASE-XLE-02798] c 26 N71-23654
Method of attaching a cover glass to a silicon solar cell Patent [NASA-CASE-XLE-08569-2] c 03 N71-24681
- MANDELL, A.**
Condition sensor system and method [NASA-CASE-MSC-14805-1] c 54 N78-32720
- MANFREDI, L.**
Liquid hydrogen polygeneration system and process [NASA-CASE-KSC-11304-1] c 28 N84-29017
Liquid hydrogen polygeneration system and process [NASA-CASE-KSC-11304-2] c 28 N86-23744
- MANGES, D. R.**
Rotatable electric cable connecting system [NASA-CASE-GSC-12899-1] c 33 N86-20669
- MANGION, C.**
System for preconditioning a combustible vapor [NASA-CASE-NPO-12072] c 28 N72-22772
- MANGOLD, D. W.**
Medical subject monitoring systems [NASA-CASE-MSC-14180-1] c 52 N76-14757
- MANN, C. W.**
Rotary target V-block [NASA-CASE-LAR-12007-3] c 35 N84-16523
- MANN, W. A.**
Compact artificial hand [NASA-CASE-NPO-13906-1] c 54 N79-24652
- MANNING, C. R.**
Thermal shock and erosion resistant tantalum carbide ceramic material [NASA-CASE-LAR-11902-1] c 27 N78-17206
- MANNING, C. R., JR.**
Controlled glass bead peening Patent [NASA-CASE-XLA-07390] c 15 N71-18616
Thermal shock resistant hafnia ceramic material [NASA-CASE-LAR-10894-1] c 18 N73-14584
- MANOLI, R.**
Aircraft-mounted crash-activated transmitter device [NASA-CASE-MFS-16609-3] c 03 N76-32140
- MANSOUR, M. N.**
Servo-controlled intravitral microscope system [NASA-CASE-NPO-13214-1] c 35 N75-25123
- MANTLER, R. L.**
Rocket propellant injector Patent [NASA-CASE-XLE-00103] c 28 N70-33241
- MANUS, E. A.**
Active microwave irises and windows [NASA-CASE-LAR-10513-1] c 07 N72-25170
Thin film microwave iris [NASA-CASE-LAR-10511-1] c 09 N72-29172
Logarithmic circuit with wide dynamic range [NASA-CASE-GSC-12145-1] c 33 N78-32339
- MANZO, M. A.**
Polyvinyl alcohol battery separator containing inert filler [NASA-CASE-LEW-13556-1] c 44 N81-27615
Polyvinyl alcohol cross-linked with two aldehydes [NASA-CASE-LEW-13504-1] c 25 N83-13188
- MAPLE, W. E.**
Analytical test apparatus and method for determining oxide content of alkali metal Patent [NASA-CASE-XLE-01997] c 06 N71-23527
- MAPLES, H. E.**
Light intensity modulator controller Patent [NASA-CASE-XMS-04300] c 09 N71-19479
- MARAK, R. J.**
Life raft stabilizer [NASA-CASE-MSC-12393-1] c 02 N73-26006
- MARCELL, G. V.**
Method and apparatus for preparing multiconductor cable with flat conductors [NASA-CASE-MFS-10946-1] c 31 N79-21226
Edge coating of flat wires [NASA-CASE-XMF-05757-1] c 31 N79-21227
- MARCUM, D. C., JR.**
Hypersonic airbreathing missile [NASA-CASE-LAR-12264-1] c 15 N78-32168
- MARCUS, B. D.**
Flat-plate heat pipe [NASA-CASE-GSC-11998-1] c 34 N77-32413
- MARCUS, H. L.**
Laser extensometer [NASA-CASE-MFS-19259-1] c 36 N78-14380
- MAREK, C. J.**
Fuel combustor [NASA-CASE-LEW-12137-1] c 25 N78-10224
Supercritical fuel injection system [NASA-CASE-LEW-12990-1] c 07 N81-29129
- MARGALIT, S.**
Arrangement for damping the resonance in a laser diode [NASA-CASE-NPO-15980-1] c 36 N85-30305
- MARGOLIS, J. S.**
Method and apparatus for Doppler frequency modulation of radiation [NASA-CASE-NPO-14524-1] c 32 N80-24510
Stark cell optoacoustic detection of constituent gases in sample [NASA-CASE-NPO-14143-1] c 25 N81-14015
Coherently pulsed laser source [NASA-CASE-NPO-15111-1] c 36 N82-29589
Correlation spectrometer having high resolution and multiplexing capability [NASA-CASE-NPO-15558-1] c 35 N84-34705
- MARGOSIAN, P. M.**
Electrostatic thruster with improved insulators Patent [NASA-CASE-XLE-01902] c 28 N71-10574
Single grid accelerator for an ion thruster [NASA-CASE-XLE-10453-2] c 28 N73-27699
- MARGRAF, H. J.**
High pressure four-way valve Patent [NASA-CASE-XNP-00214] c 15 N70-36908
- MARINOS, CHARALAMPUS**
Heat exchanger for electrothermal devices [NASA-CASE-LEW-14037-1] c 20 N87-16875
- MARKLEY, R. A.**
Self-adjusting multisegment, deployable, natural circulation radiator Patent [NASA-CASE-XHQ-03673] c 33 N71-29046
- MARLOW, M. O.**
Method of making a cermet Patent [NASA-CASE-LEW-10219-1] c 18 N71-28729
- MARLOW, R. E.**
System for enhancing tool-exchange capabilities of a portable wrench [NASA-CASE-MFS-22283-1] c 37 N75-33395
Remotely operable articulated manipulator [NASA-CASE-MFS-22707-1] c 37 N76-15457
- MAROPIS, N.**
Methods and apparatus employing vibratory energy for wrenching Patent [NASA-CASE-MFS-20586] c 15 N71-17686
- MARRKLE, R. A.**
Process for preparation of dianilinosilanes Patent [NASA-CASE-XMF-06409] c 06 N71-23230
- MARRONI, M. A., JR.**
Pressure garment joint Patent [NASA-CASE-XMS-09636] c 05 N71-12344
Omnidirectional joint Patent [NASA-CASE-XMS-09635] c 05 N71-24623
Foreshortened convolute section for a pressurized suit Patent [NASA-CASE-XMS-09637-1] c 05 N71-24730
Method of forming a root cord restrained convolute section [NASA-CASE-MSC-12398] c 05 N72-20098
Restraint torso for a pressurized suit [NASA-CASE-MSC-12397-1] c 05 N72-25119
- MARSH, H. E., JR.**
Trifunctional alcohol [NASA-CASE-NPO-10714] c 06 N69-31244
Novel polycarboxylic prepolymeric materials and polymers thereof Patent [NASA-CASE-NPO-10596] c 06 N71-25929
Aldehyde-containing urea-absorbing polysaccharides [NASA-CASE-NPO-13620-1] c 27 N77-30236
Oil and fat absorbing polymers [NASA-CASE-NPO-11609-2] c 27 N77-31308
Solid propellant motor [NASA-CASE-NPO-11458A] c 20 N78-32179
- MARSH, H. W.**
Fluid pressure balanced seal [NASA-CASE-XGS-01286-1] c 37 N79-33469
- MARSHALL, F. E.**
Imaging X-ray spectrometer [NASA-CASE-GSC-12682-1] c 35 N84-33765
- MARSHALL, J. H.**
Baseline stabilization system for ionization detector Patent [NASA-CASE-XNP-03128] c 10 N70-41991

- MARSHALL, T. N., JR.**
Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- MARSHALL, W. R.**
Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787
- MARSIK, S. J.**
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- MARTEL, R. J.**
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- MARTIN, GLENN L.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
- MARTIN, J. A.**
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- MARTIN, J. W.**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- MARTIN, N. C.**
Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- MARTIN, R. B.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- MARTIN, S. C.**
Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- MARTIN, W. L.**
Phase-locked loop with sideband rejecting properties
Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
- MARTINAGE, L. H.**
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
- MARTINECK, H. G.**
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
- MARTONCHIK, J. V.**
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- MARTUCCI, V. J.**
Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
- MARTZ, E. L.**
Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
- MARVIN, I. E.**
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- MARZEK, R. A.**
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
- MASCY, A. C.**
Deep space monitor communication satellite system
Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- MASEK, T. D.**
Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822
Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- MASERJIAN, J.**
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Thin film capacitive bolometer and temperature sensor
Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
- Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
Chemical vapor deposition reactor
[NASA-CASE-NPO-13650-1] c 25 N79-28253
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 33 N86-19516
- MASLOWSKI, E. A.**
Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
- MASON, J. W.**
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- MASON, R. J.**
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
- MASON, R. M.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- MASSUCCO, A. A.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MS-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MS-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MS-14331-3] c 27 N78-32262
- MATEER, G. C.**
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- MATHENEY, J. L.**
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- MATHUR, F. P.**
Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
- MATSUHIRO, D. S.**
Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915
- MATSUMOTO, T.**
Airborne tracking Sun photometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N86-21982
- MATSUMOTO, Y.**
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
Self-compensating solenoid valve
[NASA-CASE-ARC-11620-1] c 37 N86-21859
- MATTAUCH, R. J.**
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- MATTHEWS, F. R., JR.**
Lightweight, variable solidity knitted parachute fabric
[NASA-CASE-LAR-10776-1] c 02 N74-10034
- MATZEN, W. J.**
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- MAUDGAL, S.**
Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof
[NASA-CASE-LAR-13318-1] c 27 N87-14516
- MAULDIN, D. G.**
Contourgraph system for monitoring electrocardiograms
[NASA-CASE-MS-13407-1] c 10 N72-20225
- MAXWELL, H. G.**
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- MAXWELL, M. S.**
Spacecraft attitude detection system by stellar reference
Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
- MAXWELL, M. W.**
Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
- MAXWELL, R. F., JR.**
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- MAXWELL, W. A.**
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
- MAY, C. E.**
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- MAYALL, S. D.**
Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
- MAYER, L. A.**
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- MAYNARD, O. E.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- MAYNARD, R. S.**
Fluidic momentum controller
[NASA-CASE-MS-20906-1] c 18 N86-19344
- MAYNE, R. C.**
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- MAYO, E. E.**
Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- MAYO, J. W.**
Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
Missile stage separation indicator and stage initiator
Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- MAYO, R. F.**
Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
- MAZARIS, G. A.**
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- MAZEL, D. S.**
Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1CU] c 35 N86-32700
- MAZER, L.**
Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- MAZIQUE, J. C.**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- MAZUR, J. T.**
Telescoping columns
[NASA-CASE-LAR-12195-1] c 31 N81-27324
- MCAFFEE, D. F.**
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- MCALEXANDER, B. T.**
Laser head for simultaneous optical pumping of several dye lasers
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- MCBRAYER, R. O.**
Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

MCBRYAR

Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

MCBRYAR, H.

Reconstituted asbestos matrix
[NASA-CASE-MSC-12568-1] c 24 N76-14204

MCCAIG, J. C.

Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814

MCCALLUM, J.

Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108

MCCAMPBELL, W. M.

Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814

Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393

RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863

A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

MCCANDLESS, B., II

Connection system
[NASA-CASE-MSC-20319-1] c 37 N85-21649

MCCANDLESS, L. C.

Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

MCCANN, D. H.

Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403

MCCANN, R. J.

Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466

MCCARTHY, D. M.

Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356

MCCARTY, J. L.

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765

MCCAUL, P. F.

Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174

MCCHESENEY, J. F., JR.

High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332

MCCHESENEY, J. R.

Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981

MCCLEESE, D. J.

Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510

MCCLENAHAN, J. O.

High speed shutter
[NASA-CASE-ARC-10516-1] c 70 N74-21300

MCCLENAHAN, J. O.

Photomultiplier circuit including means for rapidly reducing the sensitivity thereof
[NASA-CASE-ARC-10593-1] c 33 N74-27682

MCCUNEY, W. R.

The 2 deg/90 deg laboratory scattering photometer
[NASA-CASE-GSC-12088-1] c 74 N78-13874

MCCUNG, C. E.

Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

MCCURE, J. C.

Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419

MCCURE, S. R.

Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655

MCCONAUGHEY, R. T.

Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886

MCCONNELL, J. C.

Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903

MCCORMACK, W.

Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874

MCCORMICK, C. T., JR.

Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244

MCCRAW, D. L.

Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345

MCCREA, F. E.

Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548

Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605

MCCREARY, R. A.

Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310

MCCREIGHT, L. R.

Electrophoretic sample insertion
[NASA-CASE-MFS-21395-1] c 25 N74-26948

Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

MCCUSKER, T. J.

Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580

MCDANIELS, D. L.

Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288

Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490

MCDARIS, R. A.

Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

MCDAVID, L. S.

Specific wavelength colorimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860

MCDERMOND, D. K.

Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432

MCDEVITT, F. R.

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

MCDONALD, G. E.

Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528

Selective coating for solar panels
[NASA-CASE-LEW-12159-1] c 44 N78-19599

Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 27 N83-29388

MCDONALD, R. T.

Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546

Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329

MCDONALD, A. R.

Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432

Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450

Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855

Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958

Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480

Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432

Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203

MCCERLEAN, E. A.

Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260

MCFADIN, L. W.

Platinum resistance thermometer circuit
[NASA-CASE-MSC-12327-1] c 35 N77-27368

MCGANNON, W. J.

Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062

Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690

MCGEEHEE, J. R.

Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850

MCGINNESS, H. D.

Onnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

MCGOUGH, J. T.

Suspension system for a wheel rolling on a flat track
[NASA-CASE-NPO-14395-1] c 37 N82-21587

MCGOUGH, J. T.

Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

MCHAFFIE, D. J.

Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701

MCHATTON, A. D.

Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528

Traveling sealer for contoured table
[NASA-CASE-XLA-01494] c 15 N71-24164

Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449

Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

MCHENRY, R. J.

Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

MCHENRY, T. F.

Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408

MCHUGH, D. P.

Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

MCINTOSH, M. J.

Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471

MCKAY, R. A.

Combustor
[NASA-CASE-NPO-13958-1] c 25 N79-11151

MCKEE, C. W.

Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282

MCKENNA, J. F., JR.

Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504

MCKENNA, R. T.

Automatic character skew and spacing checking network
[NASA-CASE-GSC-11925-1] c 33 N76-18353

MCKENZIE, R. L.

Diatom infrared gasdynamic laser
[NASA-CASE-ARC-10370-1] c 36 N75-31426

MCKEOWN, D.

Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260

MCKEVITT, F. X.

Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321

MCKINNEY, R. L.

Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999

MCKINNON, R. A.

External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372

MCLAIN, J. H.

Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617

MCLAUCHLAN, J. M.

Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088

Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821

Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749

Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

MCLEAN, F. E.

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

MCLYMAN, C. W. T.

Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254

Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928

MCLYMAN, W. T.

Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365

Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404

MCMASTER, L. R.

Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673

MCMASTER, L. R.

Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327

- MCNEAR, M. F.**
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- MCNUTT, W. C.**
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- MCRONALD, A. D.**
Thin film gauge
[NASA-CASE-NPO-10617-1] c 35 N74-22095
- MCSMITH, D. D.**
Variable response load limiting device
[NASA-CASE-LAR-12801-1] c 37 N82-20544
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- MCSTAY, J. J.**
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- MCWILLIAMS, I. G.**
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- MCWITHEY, R. R.**
Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
- MEAD, D. C.**
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- MEADOR, T. G., JR.**
Light shield and cooling apparatus
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- MEALY, G. E.**
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
- MEDCALF, W. A.**
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
- MEINEL, A. B.**
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138
- MEINEL, M. P.**
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138
- MEINTEL, A. J., JR.**
Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- MEISENHOLDER, G. W.**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Roll attitude star sensor system Patent
[NASA-CASE-NPO-01307] c 21 N70-41856
- MEISSINGER, H. F.**
Method of and device for determining the characteristics and flux distribution of micrometeorites
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- MELAMED, L.**
Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
- MELFI, L. T., JR.**
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- MELLARS, B.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- MELUGIN, J. F.**
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
- MELVILLE, R. D. S.**
Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
- MENEFEE, E. O.**
Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
- MENGES, M. J.**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
- MENICHELLI, V. J.**
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
- Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- MENTZER, C. A.**
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- MENZIES, R. T.**
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- MERHAV, S. J.**
Autonomous navigation system
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- MERLEN, M. M.**
Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
- MERRBAUM, S.**
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- MERRICK, V. K.**
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- MERRILL, J. T., IV**
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
- MESSINEO, S. V.**
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- MESSNER, A.**
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- MESZAROS, G.**
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- METCALFE, A. G.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- METZGER, A. E.**
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- METZLER, A. J.**
Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- MEYER, A. J., JR.**
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
- MEYER, J. A.**
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- MEYER, J. F.**
Time-dividing multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
- MEYER, K. A.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- MEYER, T. N.**
Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- MEYERS, J. F.**
Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154
- MEYERS, JAMES F.**
Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1CU] c 33 N87-18761
- MICALE, F. J.**
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- MICHAEL, J. E.**
Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
- MICHAUD, R. B.**
Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
Urine collection apparatus
[NASA-CASE-MSC-18381-1] c 52 N81-28740
- MICHEL, R. E.**
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- MICKA, E. Z.**
Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395
Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
- MICKELSEN, W. R.**
High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
- MIDDLETON, J. H.**
Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
- MIDDLETON, O.**
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- MIDDLETON, R. L.**
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- MIDDLETON, W. D.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- MIERTSCHIN, J. L.**
Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- MIKROYANNIDIS, J. A.**
The 1 - (dialkoxyposphonyl)methyl-2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076
Fire resistant polymers based on 1-((dialkoxyposphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702
Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyposphonyl)methyl-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364
Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
The 1-(diorgano oxyposphonyl)methyl-2,4- and -2,6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499
Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525
Fire resistant polyamide based on 1-(diorgano oxyposphonyl)methyl-2,4- and -2,6-diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568
- MIKSZAN, D. P.**
Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- MIKULAS, M. M., JR.**
Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147
Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867
Deployable M-braced truss structure
[NASA-CASE-LAR-13081-1] c 37 N86-32737
- MIKULAS, M., JR.**
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
- MIKULAS, MARTIN M., JR.**
Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259
- MILDICE, J. W.**
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331

- MILES, P. A.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- MILES, R. T.**
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
- MILKULLA, V.**
Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- MILLEN, E. W.**
Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N86-27280
- MILLER, A. J.**
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691
- MILLER, B. A.**
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- MILLER, C. D.**
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469
- MILLER, C. E.**
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- MILLER, C. G.**
Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315
Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978-1] c 31 N78-17238
Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- MILLER, D. P.**
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- MILLER, E.**
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- MILLER, E. L.**
Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- MILLER, H. B.**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
- MILLER, I. M.**
Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- MILLER, J. A., JR.**
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- MILLER, J. C.**
Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
- MILLER, J. E.**
Satellite interlace synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
- MILLER, J. G.**
Ultrasonic calibration device
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- MILLER, J. L.**
Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
- MILLER, P. C.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- MILLER, R. A.**
Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- MILLER, W. E.**
Photocapacitive image converter
[NASA-CASE-LEW-12513-1] c 44 N82-32841
- MILLER, W. N.**
Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549
- MILLIGAN, G. C.**
Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
- MILLIKEN, D. B.**
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- MILLIKEN, J. F.**
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- MILLS, M. K.**
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- MILLS, R. C., SR.**
Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736
- MILLS, S. M.**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Apparatus for microbiological sampling
[NASA-CASE-LAR-11069-1] c 35 N75-12272
Automatic inoculating apparatus
[NASA-CASE-LAR-11074-1] c 51 N75-13502
Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
- MILLY, J. J.**
Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396
- MINA, C.**
Airborne tracking Sun photometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N86-21962
- MINDERMAN, P. A.**
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-1] c 28 N84-29017
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N86-23744
- MINKIN, H. L.**
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- MINOTT, P. O.**
Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
- MINTER, E. J.**
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
- MINTON, F. R.**
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- MINTON, U. O.**
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- MIRTICH, M. J.**
Modification of the electrical and optical properties of polymers
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N86-19458
Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434
Apparatus for producing oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-2] c 27 N86-32569
- MIRTICH, M. J., JR.**
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- MIRTICH, MICHAEL J.**
Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875
- MISERENTINO, R.**
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- MITCHELL, D. K.**
Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
- MITCHELL, F. R.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938
- MITCHELL, G. A.**
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
- MITCHELL, N. M.**
Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- MITCHELL, V. M.**
Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- MITCHUM, L. L., JR.**
Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- MIXSON, J. S.**
Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
- MOACANIN, J.**
Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
Broadband optical radiation detector
[US-PATENT 4,262,198] c 74 N83-19597
- MOCKOVCIK, JOHN, JR.**
Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036
- MOECKEL, W. E.**
Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
- MOEDE, L. W.**
Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- MOEN, W. K.**
Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
- MOFFITT, F. L.**
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- MOGAVERO, L. N.**
System and method for tracking a signal source
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- MONAGHAN, R. C.**
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- MONDT, J. F.**
Nuclear thermionic converter
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- MONFORD, L. G., JR.**
Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058
Multifunction audio digitizer
[NASA-CASE-MSC-13855-1] c 35 N74-17885
Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524

- Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
- MONSON, D. J.**
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- MONTETH, J. H.**
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- MONTETH, L. K.**
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- MONTGOMERY, L. C.**
Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument
Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- MONTGOMERY, L. D.**
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- MONTROY, L. C.**
System for use in conducting wake investigation for a wing in flight
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057
- MOODY, D. L., JR.**
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- MOONEY, V.**
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- MOORE, C. D.**
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
- MOORE, D. R.**
Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N86-32770
- MOORE, H. D.**
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- MOORE, R. C.**
Open loop digital frequency multiplier
[NASA-CASE-MSC-12709-1] c 33 N77-24375
- MOORE, R. L.**
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- MOORE, T. C.**
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019
- MOORE, T. J.**
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
Diffusion welding in air
[NASA-CASE-LEW-11387-1] c 37 N74-18128
- MOORE, W. A.**
Journal bearings
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- MORALES, SERGIO**
Local area network with fault-checking, priorities and redundant backup
[NASA-CASE-NPO-16949-1-CU] c 62 N87-19021
- MORANDO, J. A.**
Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- MORDECAI, T. T.**
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- MORECROFT, J. H.**
Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694
- MORELLI, F. A.**
Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
- Processing for producing a sterilized instrument
Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- MOREMAN, O. S., III**
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
- MORGAN, C. J.**
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083
- MORGAN, I. T., JR.**
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- MORGAN, J. E.**
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
- MORGAN, L. E.**
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
- MORGAN, W. C.**
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
- MORISSETTE, S.**
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- MORRELL, G.**
Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- MORRIS, D. E.**
Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Polymerizable disilanol having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
- MORRIS, J. F.**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
High thermal power density heat transfer
[NASA-CASE-LEW-12950-1] c 34 N82-11399
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- MORRIS, J. R.**
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
- MORRIS, P. W.**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- MORRIS, T. F.**
Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N86-32770
- MORISSETTE, E. L.**
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- MORRISON, A. D.**
Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934
- MORRISON, ANDREW D.**
Method for growing low defect, high purity crystalline layers utilizing lateral overgrowth of a patterned mask
[NASA-CASE-NPO-15813-2] c 76 N87-15882
- MORRISON, H. D.**
Anti-fog composition
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- MORSE, C. P.**
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
- MORSE, H. A.**
Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700
- MORTENSEN, L. O.**
Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
- MOSER, B. G.**
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Polymeric compositions and their method of manufacture
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- MOSER, J. C.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- MOSIER, B.**
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
- MOSIER, J. R.**
Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- MOSSOLANI, D. L.**
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- MOUNTVALA, A. J.**
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- MOYER, X. W.**
Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- MOYERS, C. V.**
System for sterilizing objects
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- MOYNIHAN, P. I.**
Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- MROZ, T. S.**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- MUEHTER, P. P.**
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- MUELLER, R. I.**
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
- MUELLER, R. L.**
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- MUELLER, W. A.**
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Dialysis system
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- MUGLER, S. W.**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
- MULHERN, J. E., JR.**
Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- MULLEN, D. L.**
Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- MULLEN, L. O.**
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
- MULLEN, P. G.**
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- MULLER, K.**
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- MULLER, R. M.**
Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495

N

- MULLIKEN, R. F.**
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
- MUMOLA, P. B.**
Laser head for simultaneous optical pumping of several dye lasers
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- MUNFORD, J. A.**
Laser measuring system for incremental assemblies
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- MUNOZ, R. M.**
High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042
Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Continuous Fourier transform method and apparatus
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- MUNSON, R. E.**
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- MURACA, R. F.**
Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- MURCH, R. M.**
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- MURPHY, A. J.**
Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
- MURPHY, D. W.**
Frangible link
[NASA-CASE-MS-11849-1] c 15 N72-22488
Pressure limiting propellant actuating system
[NASA-CASE-MS-18179-1] c 20 N80-18097
- MURPHY, F. L.**
Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929
- MURPHY, J. P.**
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
- MURPHY, W. J.**
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- MURTY, M. V. R. K.**
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
- MUSICK, R. O.**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- MUSSETT, E. W.**
Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
- MYERS, D. A.**
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- MYERS, I. T.**
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- MYERS, W. N.**
Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
Spherical bearing
[NASA-CASE-MFS-23447-1] c 37 N79-11404
Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
Resilient seal ring assembly with spring means applying force to wedge member
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- MYERS, W. NEILL**
Orbital maneuvering end effectors
[NASA-CASE-MFS-28161-1] c 37 N87-18817
- NAESETH, R. L.**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- NAGANO, S.**
Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
Module failure isolation circuit for paralleled inverters
[NASA-CASE-NPO-14000-1] c 33 N79-24254
Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- NAGLE, W. J.**
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
Toroidal cell and battery
[NASA-CASE-LEW-12918-1] c 44 N81-24521
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 33 N84-14422
- NAGY, K.**
Aerobraking orbital transfer vehicle
[NASA-CASE-MS-20921-1] c 18 N86-20471
Shuttle-launch triangular space station
[NASA-CASE-MS-20676-1] c 18 N86-24729
- NAIDITCH, S.**
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
- NAKADA, M. P.**
Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041
- NAKAMURA, H. H.**
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- NAKANISHI, S.**
Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642
Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699
- NAKICH, R. B.**
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Digital servo control of random sound test excitation
[NASA-CASE-NPO-11623-1] c 71 N74-31148
- NANCE, H. M.**
A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- NAPLES, J. F.**
Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803
- NARASIMHAN, K. Y.**
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- NASH, D. O.**
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- NASON, G. H.**
Flexible blade antenna Patent
[NASA-CASE-MS-12101] c 09 N71-18720
- NASUTI, A. J.**
Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
- NATHAN, R.**
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- NAUMANN, E. C.**
Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
- Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- NAUMANN, R. J.**
Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Carbon monoxide monitor
[NASA-CASE-MFS-22060-1] c 35 N75-29380
Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718
Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004
- NAUMANN, ROBERT J.**
Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679
Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N87-19116
- NEAL, P. F.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- NEALY, J. E.**
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- NELSON, B.**
Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-NPO-09808] c 09 N71-12518
- NELSON, B. W.**
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- NELSON, C. A.**
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
- NELSON, C. H.**
Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
- NELSON, C. W.**
X-ray determination of parts alignment
[NASA-CASE-MS-20418-1] c 74 N86-20126
- NELSON, D. E.**
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- NELSON, E. P.**
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- NELSON, H. H.**
Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- NELSON, M. D.**
Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
- NELSON, W. J.**
Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- NERAD, B. A.**
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- NERHEIM, N. M.**
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1 CU] c 74 N86-20126
- NESMITH, M. F.**
Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 37 N86-20789
- NEUGEBAUER, M.**
Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- NEWBY, D. T.**
Hole cutter
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- NEWCOMB, A. L., JR.**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
- NEWCOMB, J. F.**
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
- NEWCOMB, W. L.**
Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41679

- NEWCOMBE, C. A.**
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
- NEWMAN, D. F.**
Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
- NEWMAN, J. B.**
Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- NEWMAN, J. M.**
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
- NIBLEY, D. A.**
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- NICHOLS, F. W.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- NICHOLS, G. B.**
Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
Apparatus for phase stability determination Patent
[NASA-CASE-XGS-01118] c 10 N71-23662
- NICHOLS, G. H.**
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- NICHOLS, J. J.**
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
- NICHOLS, M. R.**
Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493
Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
- NICKLAS, J. C.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
- NICOL, W. S.**
Vapor deposition apparatus
[NASA-CASE-HQN-10462] c 25 N75-29192
- NIEDRA, J. M.**
Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197
- NIEDZWIECKI, R. W.**
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Controlled separation combustor
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- NIELSON, T. L.**
Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
- NIER, A. O.**
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- NIESSEN, F. R.**
Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- NIR, Z.**
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
- NISEN, D. B.**
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- NISHIOKA, K.**
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- NISSIM, E.**
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- NISWANDER, J. K.**
Memory-based frame synchronizer
[NASA-CASE-GSC-12430-1] c 60 N82-16747
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- NITTA, H.**
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- NIXON, D. L.**
Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- NOBLE, R. M.**
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- NOLA, F. J.**
Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874
Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436
Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
Electrical power generating system
[NASA-CASE-MFS-24368-3] c 33 N81-22280
Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
Coupling an induction motor type generator to ac power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660
Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- NOLT, G. D.**
Fluid driven pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
- NOONAN, K. W.**
Family of airfoil shapes for rotating blades
[NASA-CASE-LAR-12843-1] c 02 N84-11136
High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N87-14282
- NORD, D. B.**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- NORDEN, B. N.**
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
- NOREEN, S. J.**
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- NORGREN, C. T.**
Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-32325
- Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
- NORK, C. L.**
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
- NORMAN, R. M.**
Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
- NORRIS, D. D.**
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- NORTON, R. H.**
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- NORWOOD, J., JR.**
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
- NOSSEN, E. J.**
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
- NOVOTNY, J. E.**
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- NUSBAUM, W. J.**
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- OAKLEY, E. C.**
RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
- OBARA, CLIFFORD J.**
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
- OBERSCHMIDT, M.**
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- OBLER, H. D.**
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- OBRIEN, J. P.**
Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- OBRIEN, D. E., III**
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
- OBRIEN, J. P.**
Carboranylchlorophosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- OCONNER, B. J.**
Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- OCONNER, E. W.**
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- OCONNOR, J. W.**
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
- ODELL, H. G.**
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- ODONNELL, P. M.**
Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- ODONNELL, T. J.**
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
- OERTEL, G. K.**
Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

OFARRELL, H. W.

- Solar cell module assembly jg
[NASA-CASE-XGS-00829-1] c 44 N79-19447
- OFFIK, W. G.**
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
- OGDEN, H. F.**
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- OGDEN, H. R.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- OGLE, J. S.**
Whole body measurement systems
[NASA-CASE-MS-13972-1] c 52 N74-10975
- OHLSON, J. E.**
System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- OKANE, J. H.**
Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
- OKEAN, H. C.**
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
- OKEEFE, W. J.**
Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692
- OKELLY, K. P.**
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MS-14435-1] c 37 N76-18455
- OKUNOLA, O.**
GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150
- OLCOTT, J. W.**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- OLDRIEVE, R. E.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182
- OLIVER, G. D.**
Scanning nozzle plating system
[NASA-CASE-NPO-11758-1] c 31 N74-23065
- OLIVER, R. E.**
Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- OLIVER, R. L.**
Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- OLLENDORF, S.**
Structural heat pipe
[NASA-CASE-GSC-11619-1] c 34 N75-12222
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- OLLING, E. H.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
- OLSASKY, M. J.**
Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
- OLSEN, W. A., JR.**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
- OLSON, W. T.**
Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
- OLTMANS, D. A.**
Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
- ONEIL, R. L.**
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- ONEILL, R. W.**
Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MS-13492-1] c 10 N71-28860
Peak holding circuit for extremely narrow pulses
[NASA-CASE-MS-14129-1] c 33 N75-18479

ORAN, W. A.

- Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- OREILLY, W. J.**
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
- OREM, V. C.**
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
- ORILLION, A. G.**
Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- ORLIK, F. W.**
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- ORLOFF, K. L.**
Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- ORMISTON, R. A.**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- ORNER, J. W.**
Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672
- OROURKE, T. E., JR.**
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
- ORTH, N. W.**
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- OSHER, J. V.**
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- OSMUNDSON, J.**
Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- OSTROFF, A. J.**
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
- OSTROFF, J.**
Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371
- OSULLIVAN, W. J., JR.**
Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22630
- OTHMAN, T. E.**
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- OTOSHI, T. Y.**
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-LAR-11418-1] c 14 N73-13420
- OTTO, G. H.**
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
- OUTLAW, R. A.**
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
- OWEN, R. B.**
Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932

- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355
- OWENS, L. J.**
Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542
Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- OZAWA, T.**
Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766

P

- PACALA, T. J.**
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N86-20778
- PACE, G. D., JR.**
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
- PACIOREK, K. J. L.**
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine
[NASA-CASE-MS-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-14903-3] c 27 N80-24438
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- PACKARD, D. T.**
Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681
- PACKARD, R. D.**
Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
- PACKER, P. N.**
Adjustable securing base
[NASA-CASE-MS-19666-1] c 37 N78-17383
Variable contour securing system
[NASA-CASE-MS-16270-1] c 37 N78-27423
- PADILLA, D.**
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
- PAGE, N. A.**
Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- PAGEL, L. L.**
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- PAIK, S. F.**
Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- PAIK, W. W.**
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
- PAINTER, J. H.**
Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
- PALANDATI, C. F., JR.**
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- PALMER, E. I.**
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
- PALSINGH, S.**
Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- PAN, F. M.**
A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
- PAOLINI, J. J.**
Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
- PAPELL, S. S.**
Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124

- Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
- Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522
- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433
- PAQUETTE, E. G.**
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- PARDOE, C. T.**
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- PARESCHE, F.**
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- PARISH, R. C.**
Shuttle-launch triangular space station
[NASA-CASE-MS-C-20676-1] c 18 N86-24729
- PARK, J. J.**
Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
- PARKER, D. L.**
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- PARKER, G. L.**
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
- High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
- Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- PARKER, J. A.**
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
- Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
- Intumescent composition, foamed product prepared therefrom, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- Flexible fire retardant polyisocyanate modified neoprene foam
[NASA-CASE-ARC-10180-1] c 27 N74-12814
- Chromato-fluorographic drug detector
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Intumescent composition, foamed product prepared therefrom and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259
- Amine terminated bispartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
- Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
- Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348
- Metal (2,4,4',4'') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376
- Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455
- Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
- Aminophenoxycyclotriphosphazene cured epoxy resins and the composites, laminates and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N86-21686
- Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416
- Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131
- Amine terminated bispartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
- PARKER, JOHN A.**
Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
- Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
- PARKER, L. C.**
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
- Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N85-19990
- PARKER, O. J.**
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
- Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
- Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389
- PARKER, R. J.**
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
- Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
- Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
- Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
- PARMLEY, R. T.**
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- PARR, R. A.**
Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- PARRA, G. T.**
Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
- PARSONS, W. E.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
- PARTHASARATHY, S. P.**
System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
- System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- PARTSCH, V. M.**
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- PASCIUTTI, E. R.**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- PASIERB, E. F.**
GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
- PASSMAN, H. M.**
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MS-C-12389] c 33 N71-29052
- PATE, W. E.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015
- PATEL, B. C.**
Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MS-C-16934-3] c 24 N84-16262
- PATER, R. H.**
High temperature resistant polyimide from tetra ester, diamine, diester and N-arylnadimide
[NASA-CASE-LEW-13864-1] c 27 N86-19457
- PATON, W. J.**
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- PATTEE, H. E.**
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- PATTEN, C. W.**
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
- PATTERSON, J. C., JR.**
Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- PATTERSON, W. J.**
Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
- Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
- Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
- Polymerizable disilanes having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
- PAULI, F. A.**
Altitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
- PAULIN, P. A.**
Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- PAULKOVICH, J.**
Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
- Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- PAULL, S.**
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
- PAVLICS, F.**
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
- PAWLIK, E. V.**
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
- Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- PAWLOWSKI, J. F.**
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MS-C-16170-2] c 32 N84-27952
- PEARSON, A. O.**
Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- PEASE, R. E.**
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- PECHMAN, A.**
Two-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-1] c 27 N76-22377

Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426

PECK, S. R.
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

PECKHAM, V. A., JR.
Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034

PEDERSON, C. W.
Low distortion automatic phase control circuit
[NASA-CASE-MFS-21671-1] c 33 N74-22885

PEELGREN, M. L.
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915

PEER, C. R.
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N89-21539

PEGDEN, C. D.
Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112

PELCHAT, G. M.
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

PELISCHEK, T. E.
Foldable self-erecting joint
[NASA-CASE-MSC-20635-1] c 18 N87-14373

PELLERIN, C. J., JR.
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325

PENKO, PAUL F.
Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875

PENN, B. G.
Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N86-23750

PENNINGTON, JACK E.
Space spider crane
[NASA-CASE-LAR-13411-15B] c 18 N87-15259

PENQUE, N. J.
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324

PEOPLES, J. A.
Multiway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609

PERKINS, G. S.
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371

PERKINS, H.
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275

PERKINS, P. J., JR.
Cryogenic insulation system Patent
[NASA-CASE-XLE-04222] c 23 N71-22881
Insulation system Patent
[NASA-CASE-XLE-02647] c 18 N71-23658

PERLMAN, M.
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 06 N71-12503
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167
Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373

PERLMUTTER, M.
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234

PERRY, C. L.
Metabolic analyzer
[NASA-CASE-MFS-21415-1] c 52 N74-20728

PERRY, G. D.
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

PERRY, J. C.
System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221

PERRY, W. E.
Optical conversion method
[NASA-CASE-MSC-12618-1] c 74 N78-17865

PERSON, J. K.
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431

PESEK, C. T.
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243

PESMAN, G. J.
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152

PETERS, D. A.
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029

PETERS, H. E.
Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436

PETERS, L., JR.
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330

PETERS, P. N.
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320

PETERS, R. L.
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273

PETERS, R. W.
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136

PETERSEN, G. R.
Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

PETERSEN, H. L.
Four phase logic systems
[NASA-CASE-MSC-14240-1] c 33 N75-14957

PETERSEN, H. W.
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-NPO-08907] c 23 N71-29123

PETERSON, E. W.
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771

PETERSON, N. C.
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428

PETERSON, N. E., JR.
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087

PETERSON, P. D.
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

PETERSON, S. A.
Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

PETERSON, S. T.
Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327

PETERSON, V. S.
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192

PETERSON, W. A.
Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049

PETERSON, W. D.
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467

PETERSEN, H. E.
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757

PETRASEK, D. W.
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198

Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539

PETRICK, E. N.
Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802

PETRICK, S. W.
Radiative cooler
[NASA-CASE-NPO-15465-1] c 34 N84-22903

PETYNYIA, W. W.
Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185

PEYRAN, R. J.
Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700

PEYTON, J.
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

PEZDIRTZ, G. F.
Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

PFaff, H.
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812

PIFFNER, H. J.
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N85-20249

PFLEGER, R. O.
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

PFUGER, H. L.
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

PHelps, A. E.
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

PHILLIP, W. H.
Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144

PHILLIPS, A. R.
Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329

PHILLIP, W. H.
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516

PHILLIPS, B. L. S.
File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908

- PHILLIPS, E. C., JR.**
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- PHILLIPS, W. H.**
Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969
Trim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154
- PHILLIPS, W. M.**
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Cermets composition and method of fabrication
[NASA-CASE-NPO-13120-1] c 27 N76-15311
High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
Nuclear thermionic converter
[NASA-CASE-NPO-13121-1] c 73 N77-18891
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-1] c 27 N78-19302
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- PHILIEGER, G. A., JR.**
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
- PIASECKI, L. R.**
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- PICCILOLO, G. L.**
Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- PICHAICHANARONG, P.**
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- PICKETT, H. M.**
Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N86-20779
- PIERCE, R. M.**
Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
- PINCKNEY, K. R.**
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- PINCKNEY, S. Z.**
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
- PINCUS, B. R.**
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
- PING, T.**
Two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N86-32696
- PINKEL, I. I.**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- PINSON, G. T.**
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- PIPPEN, D. L.**
High voltage pulse generator Patent
[NASA-CASE-MS-C-12178-1] c 09 N71-13518
- PITELLI, E. E.**
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
- PITTS, D. E.**
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MS-C-12611-1] c 12 N76-15189
- PITTS, F. L.**
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- PITTS, W. C.**
Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
- PIVIROTTI, T. J.**
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
High power metallic halide laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- PIZZECK, D. E.**
Connector
[NASA-CASE-LAR-11709-1] c 37 N76-27567
- PLAKAS, C. J.**
Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- PLAMONDON, J. A., JR.**
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- PLAMOWSKI, S. C.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- PLATT, P. K.**
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- PLAZEK, D. J.**
Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
- PLEASANTS, J. E.**
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
Vortex breech high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- PLITT, K. F.**
Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
- PODGORSKI, T. J.**
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
- POESCHEL, R. L.**
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
- POGORZELSKI, F. S.**
Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
- POHL, H. O.**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- POHL, J. G.**
Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
- POHM, A. V.**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- POLHAMUS, E. C.**
Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- POLHEMUS, J. T.**
Condition sensor system and method
[NASA-CASE-MS-C-14805-1] c 54 N78-32720
Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- POLLACK, I.**
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
- POLLACK, J. L.**
High powered arc electrodes
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- POLLARD, R. A.**
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
- POLLOCK, G. E.**
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- POLSTORFF, W. K.**
Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
- POMPLUM, A. R.**
Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- POOL, S. L.**
Medical subject monitoring systems
[NASA-CASE-MS-C-14180-1] c 52 N76-14757
- POOLE, B. D., JR.**
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311
- POORMAN, R. M.**
Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MS-C-25707-1] c 35 N85-29214
- POPE, A. M.**
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
- POPE, J. M.**
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- POPE, W. L.**
Low gravity phase separator
[NASA-CASE-MS-C-14773-1] c 35 N78-12390
- POPICK, H.**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- POPINSKI, Z.**
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- POPMA, D. C.**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- PORADEK, J. C.**
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MS-C-16258-1] c 45 N79-12584
- PORTER, A. C.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- PORTER, E. E.**
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- PORTER, R. N.**
Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- PORTER, W. A.**
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- PORTNOY, W. A.**
Insulated electrocardiographic electrodes
[NASA-CASE-MS-C-14339-1] c 05 N75-24716
- PORTWOOD, J. N.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- POSCHENRIEDER, W. P.**
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- POSEY, D. L.**
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
- POSHKUS, A. C.**
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
Synthesis of 2,4,8,10-tetroxaspiro[5.5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187

- POSNER, E. C.**
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital communications system
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- POST, R. E.**
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- POSTMA, R. W.**
Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382
- POTEATE, W. B.**
Multiparameter vision testing apparatus
[NASA-CASE-NPO-13601-2] c 54 N75-27759
- POTTER, A. E., JR.**
Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
- POTTER, L. R.**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- POTTER, N. H.**
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- POTTER, P. D.**
Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Dichroic plate
[NASA-CASE-NPO-13506-1] c 35 N76-15435
- POUCHOT, W. D.**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHO-03673] c 33 N71-29046
- POULSEN, P. D.**
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- POVINELLI, L. A.**
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
- POWELL, C. A., JR.**
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
- POWELL, J. A.**
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- POWELL, J. D.**
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
- POWELL, W. B.**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- POWELL, W. E., JR.**
Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- POWER, J. L.**
Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- POWERS, E. I.**
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- POZSONY, E. R.**
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
- PRASTHOFER, W. P.**
Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841
- PRATT, J. R.**
Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- PRELIASCO, R. J.**
Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
- PRESCOTT, R.**
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- PRESCOTT, W. A.**
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
- PRESLEY, L. L.**
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- PRESTON, G. M.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- PRESTON, G. W.**
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
- PRICE, A. G.**
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
- PRICE, H. W.**
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
- PRICE, P.**
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- PRICE, S. B.**
Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
- PRIDE, J. D., JR.**
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
- PRIEBE, G. W.**
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- PRIOLETTI, J. A.**
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- PRITCHARD, E. B.**
Orbital and entry tracking accessory for globes
[NASA-CASE-LAR-10626-1] c 19 N74-21015
- PRITCHARD, H. O.**
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
- PROCH, G. E.**
Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
- PROEMSEY, J. H.**
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
- PROFFIT, R. L.**
Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173
- PROGAR, D. J.**
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N84-14323
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
- PROK, G. M.**
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
- PROKOPIUS, P. R.**
Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- PRUETT, B. J.**
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
- PRUETT, E. C.**
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- PRYOR, D. E.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- PRYOR, P. P., JR.**
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- PRZYBYSEWSKI, J. S.**
Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- PSALTIS, D.**
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- PSARRAS, T.**
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- PUCCINELLI, A. A.**
Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
- PUCILLO, G. L.**
Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- PULLING, R. C.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- PURCELL, T. H., JR.**
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
- PURGOLD, G. C.**
Automated syringe sampler
[NASA-CASE-LAR-12308-1] c 35 N81-29407
- PUSTER, R. L.**
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
- PUSTER, RICHARD L.**
Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N87-18626
- PUTNAM, D. F.**
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

Q

- QADER, S. A.**
Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428
- QUATINETZ, M.**
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- QUATTRONE, P. D.**
Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- QUEEN, R. B.**
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
- QUINN, R. B.**
Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521
Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

R

- RADNOFSKY, M. I.**
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- RAGGIO, C. W., JR.**
Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645
- RAINEY, R. W.**
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
- RAINWATER, L. L.**
Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191

- RAMEY, R. L.**
Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
Thin film microwave iris
[NASA-CASE-LAR-10511-1] c 09 N72-29172
- RAMME, F. B.**
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
- RAMOHALLI, K. N. R.**
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
- RAND, J. L.**
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Thin film strain transducer
[NASA-CASE-WLP-10055-2] c 35 N85-21598
- RANDALL, J. C.**
Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
- RANDLE, R. J., JR.**
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193
- RANEY, J. P.**
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
- RAO, D. M.**
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
Leading edge vortex flaps for drag reduction
[NASA-CASE-LAR-12750-1] c 02 N81-19016
Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985
- RAPOSA, F. L.**
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- RAPOZA, E. J.**
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- RASMUSSEN, H. P.**
Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143
- RASQUIN, J. R.**
Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
- RASSWEILER, G. G.**
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- RATAJCZAK, A. F.**
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- RATCLIFF, L. P.**
Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903
- RATHZ, T. J.**
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- RAVAS, R. J.**
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
- RAVENHALL, R.**
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- RAVINDRAM, M.**
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- RAWLIN, V. K.**
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
- RAWSON, J.**
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- RAY, W. L.**
Remote fire stack igniter
[NASA-CASE-MFS-21675-1] c 25 N74-33378
- RAYBORN, G. H.**
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
- RAYLE, W. D.**
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- READ, F. G.**
Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
- READ, W. S.**
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
- READER, A. F.**
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- READER, P. D.**
Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661
- REAM, L. W.**
Diesel engine catalytic combustor system
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- RECHTER, H. L.**
Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- REDDING, A. H.**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- REDMON, J. W.**
Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- REECE, O. Y.**
Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
- REED, A. E.**
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- REED, J. H., JR.**
Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
- REED, L.**
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- REED, R. D.**
Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- REED, W. H., III**
Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
Decoupler pylon: wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594
- REESE, P. B.**
Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097
- REGNIER, W. W.**
Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- REHAGE, J. R.**
Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- REIBER, J. H. C.**
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- REICHMAN, B.**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
- REID, H. J. E., JR.**
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
- REID, H., JR.**
Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- REID, M. A.**
Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- REID, M. S.**
Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- REID, R.**
Spacecraft docking and alignment system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- REID, W. J.**
Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- REILLY, N. B.**
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- REILLY, T. H.**
Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- REILLY, W. W.**
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- REINHARDT, G.**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- REINHARDT, V.**
Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N86-19580
- REINHARDT, V. S.**
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
- REINHOLD, H. W.**
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
- REINISCH, R. F.**
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

- REINITZ, K.**
Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
- REISS, D. A.**
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
- REIMBAUM, A.**
Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
Dicyanooctylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573
Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
Pressure transducer
[NASA-CASE-NPO-11150] c 35 N78-17359
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- REMPEL, R. C.**
Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- REMPFER, P. S.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- RENNER, W.**
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- RENNIE, P. A.**
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- RESWICK, J. B.**
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- REYNOLDS, G. H.**
Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- REYNOLDS, H. I.**
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- REYNOLDS, J. M.**
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- REYNOLDS, R. K.**
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
- REYNOLDS, W. E.**
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
- RHEIN, R. A.**
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- RHIM, W. K.**
Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- RHO, J. H.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- RHODES, C. M.**
Method for retarding dye fading during archival storage of developed color photographic film
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- RHODES, D. B.**
Optical scanner
[NASA-CASE-LAR-11711-1] c 74 N78-17866
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- RHODES, L. L.**
Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162
- RHODES, M. D.**
Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867
Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N86-31630
Deployable M-braced truss structure
[NASA-CASE-LAR-13081-1] c 37 N86-32737
Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N87-14413
- RHODES, P. H.**
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- RHODES, PERCY H.**
Moving wall, continuous flow electrophoresis apparatus
[NASA-CASE-MFS-28142-1] c 25 N87-18627
- RIAZ, M.**
Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
- RIBARICH, J. J.**
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
- RICCITIELLO, S. R.**
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- RICCITIELLO, S. R.**
Modified polyurethane foams for fuel-fiber Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Flexible fire retardant polyisocyanate modified neoprene foam
[NASA-CASE-ARC-10180-1] c 27 N74-12814
Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
Intumescent-abiator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205
Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442
- RICCITIELLO, SALVATORE R.**
Preparation of B-Trichloroborazine
[NASA-CASE-ARC-11643-1-SB] c 23 N87-15275
- RICE, R. F.**
Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- RICE, R. R.**
Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
- RICE, R. W.**
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
- RICE, S. H.**
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- RICE, W. J.**
Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
- Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559
- RICH, E., JR.**
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
- RICHARD, C. E.**
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- RICHARD, H. L.**
Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 74 N86-29650
- RICHARD, R. R.**
Angular accelerometer Patent
[NASA-CASE-XMS-05936] c 14 N70-41682
- RICHARDS, R. R.**
Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N78-31714
- RICHARDS, W. E.**
Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- RICHARDSON, J. I.**
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- RICHARDSON, J. R.**
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639
- RICHARDSON, R. W.**
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- RICHLEY, E. A.**
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- RICHMOND, J. C.**
Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-18341
- RICHTER, C. G.**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- RICHTER, H. L.**
Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- RICHTER, I. A.**
Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
- RICHTER, R.**
Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- RICKETTS, R. H.**
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504
- RIEBE, J. M.**
Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
- RIEBLING, R. W.**
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
- RIED, R. C.**
Aerobraking orbital transfer vehicle
[NASA-CASE-MSC-20921-1] c 18 N86-20471
- RIEKER, L. L.**
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- RIGGS, K. E.**
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749
- RILEY, J. F.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- RILEY, T. J.**
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- RIKARD, G. A.**
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

- RINDNER, W.**
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- RINEHART, D.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- RINGELMAN, J. F.**
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- RIPPY, R. R.**
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- RITCHIE, D. G.**
Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483
- RITCHIE, D. W.**
Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050
- RITCHIE, R. S.**
Slide release mechanism
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- RITCHIE, V. S.**
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- RITTER, D. L.**
Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
- RLOFF, K. L.**
Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- ROACH, J. E.**
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- ROBBINS, H. J.**
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
- ROBELEN, D. B.**
Deploy/release system
[NASA-CASE-LAR-11575-1] c 02 N76-16014
- ROBERTS, B. B.**
Aerobraking orbital transfer vehicle
[NASA-CASE-MSC-20921-1] c 18 N86-20471
- ROBERTS, D. E.**
Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
- ROBERTS, D. L.**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- ROBERTS, E. J.**
Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484
- ROBERTS, M. L.**
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- ROBERTS, V. W.**
Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- ROBERTSON, A. J.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- ROBERTSON, J. B.**
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- Flat-panel, full-color electroluminescent display
[NASA-CASE-LAR-13407-1] c 33 N86-24909
- ROBERTSON, K. B.**
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- ROBERTSON, W. L.**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- ROBILLARD, G.**
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
- ROBINS, A. W.**
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- ROBINSON, G. P.**
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- ROBINSON, M.**
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
- ROBINSON, M. B.**
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
Apparatus and furnace for containerless processing of high temperature materials in space
[NASA-CASE-MFS-28087-1] c 35 N86-23899
- ROBINSON, P. A. JR.**
FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N87-13313
- ROBINSON, R. K.**
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- ROBINSON, W. J., JR.**
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- ROBSON, P. N.**
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
- ROCHOW, S. E.**
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- RODNER, W. H.**
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
- RODRIGUEZ, G. E.**
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
- ROE, F. D.**
Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114
- ROBELEN, GEORGE J., JR.**
High effectiveness contour matching contact heat exchanger
[NASA-CASE-MSC-20840-1] c 34 N87-18779
- ROEDER, E. R.**
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- ROESKE, P. W.**
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- ROGALLO, F. M.**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038
- ROGALLO, V. L.**
Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
- ROGERS, F. O.**
Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- ROGERS, J. R.**
Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- ROGOWSKI, R. S.**
Method for detecting pollutants
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
- ROHATGI, N. K.**
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- ROLF, E.**
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- ROLIK, G. P.**
Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
- ROLLER, R. F.**
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
- ROLLINS, FRED P.**
Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035
- ROLLINS, G. N.**
System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
- ROLLINS, J. R.**
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- ROM, F. E.**
Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- ROMAN, J. A.**
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- ROMAN, R. F.**
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587
- ROMANCZYK, K. C.**
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
- ROMMEL, M. A.**
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- ROMVARY, E., JR.**
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- RONEY, B. W.**
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483
- ROOT, G. L.**
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
- ROSALES, L. A.**
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- ROSE, S. D.**
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706
- ROSEN, H. A.**
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050

ROSEN, L.

- Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154

ROSENBAUM, B. J.

- Flow test device
[NASA-CASE-NPO-04917] c 14 N69-24257

ROSENBLUM, L.

- Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527

ROSENGREN, L. G.

- Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411

ROSIER, W. R.

- Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

ROSIN, A. D.

- Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968

ROSIN, S.

- Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393

ROSINSKI, W. K.

- Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377

ROSITANO, S. A.

- Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793

ROSS, B.

- Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475

ROSS, L. O.

- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300

ROSSER, R. W.

- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Bifunctional monomers having terminal oxime and cyano or amide groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
Perfluoro (Imidoylamidine) diamidines
[NASA-CASE-ARC-11402-3] c 23 N86-21582

ROSSI, B. B.

- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240

ROSSOW, V. J.

- Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073

ROTH, H.

- Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721

Gunn-type solid state devices

- [NASA-CASE-XER-07895] c 26 N72-25679

ROTMAN, A.

- Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383

ROUDEBUSH, W. H.

- Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915

ROUGHTON, N. A.

- Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329

ROUSEY, W. J.

- System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519

ROUTH, D. E.

- Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906

- Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475

- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634

- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884

ROUZER, L. E.

- Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554

ROWE, H. E.

- Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654

ROWLAND, C. W.

- Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502

- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536

ROWLETTE, J. J.

- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596

ROWLEY, P. D.

- Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

ROY, N. L.

- Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431

- Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293

- Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386

ROY, U.

- Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437

ROYSTER, D. M.

- Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214

- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450

ROZAS, P.

- Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820

RUBERT, K. F.

- Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366

Quick release connector Patent

- [NASA-CASE-XLA-01141] c 15 N71-13789

RUBIN, B.

- Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072

RUBIN, D. C.

- Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680

RUBIN, I.

- Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515

RUDDOCK, K. A.

- Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428

RUDERMAN, I. W.

- Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750

RUDMANN, A. A.

- Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398

- Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320

RUDNICK, I.

- Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827

RUEHR, W. C.

- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

RUHNKE, L. H.

- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175

- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318

RUITBERG, A. P.

- High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146

- High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147

RUIZ, W. V.

- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

RUMBLE, C. V.

- Means for accommodating large overstrain in lead wires
[NASA-CASE-LAR-10168-1] c 33 N74-22865

RUMMEL, J. A.

- Metabolic analyzer
[NASA-CASE-MFS-21415-1] c 52 N74-20728

RUMMLER, D. R.

- Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773

- Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287

RUNDELL, D. J.

- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

RUOFF, C. F.

- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604

RUOFF, C. F., JR.

- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117

RUPE, J. H.

- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446

- System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457

- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700

RUPNIK, D. R.

- Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799

RUPP, C. C.

- Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113

- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

RUPPE, E. P.

- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

RUSSELL, C. H.

- Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991

RUSSELL, G. R.

- Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441

- Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

RUSSELL, J. K.

- Laser ranging and video display system
[NASA-CASE-MSC-20870-1] c 36 N86-24977

RUSSELL, J. M., III

- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006

- Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

RUSSELL, L. D.

- High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152

- Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
- RUSSELL, P.**
Airborne tracking Sun photometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N86-21982
- RUSSELL, W. E.**
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- RUST, R.**
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- RUTLEDGE, C. W.**
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- RYAN, C. R.**
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- RYAN, E. W.**
Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- RYAN, G. G.**
Tanker orbit transfer vehicle and method
[NASA-CASE-MSC-20543-1] c 18 N84-22610
- RYASON, P. R.**
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- RYBICKI, G. C.**
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- S**
- SABAROFF, S.**
Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265
- SABELMAN, E. E.**
Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
Ferroluicid solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185
- SABOL, A. P.**
Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- SACKS, B. H.**
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- SADHUKHAN, P.**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- SAFFREN, M. M.**
Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- SAH, C. T.**
Floating emitter solar cell junction transistor
[NASA-CASE-NPO-16467-1-CU] c 33 N86-24908
- SAHINKAYA, Y.**
Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
- SAINSBURY-CARTER, J. B.**
Bonded joint and method
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- SAINTCLAIR, T. L.**
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
- SAKELLARIS, P. C.**
Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466
- SALAMA, A. M.**
Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
- SALEMME, C. T.**
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- SALIK, J.**
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N86-32556
- SALISBURY, D. P.**
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- SALISBURY, J. K., JR.**
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
- SALMIRS, S.**
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
- SALOMON, P. M.**
Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- SALTER, W. E.**
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- SALTZMAN, E. J.**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
- SALVINSKI, R. J.**
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- SAMFIELD, E.**
Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
- SAMONSKI, F. H., JR.**
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
- SAMSON, J. A. R.**
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- SAMSON, R.**
Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
- SAN MIGUEL, A.**
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
- SANDBORN, V. A.**
Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
- SANDER, R. C.**
Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- SANDERS, B. W.**
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
- SANDFORD, M. C.**
Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- SANDROCK, G. D.**
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- SANDSTROM, D. B.**
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
- SANTARPIA, D.**
Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- SARBOLOUKI, M. N.**
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- SARGISSON, D. F.**
Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- SATER, B. L.**
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- SAUER, L. S.**
Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
- SAUER, R. L.**
Automatic bio-waste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
- SAUER, T. H.**
Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- SAUERS, D. G.**
Measuring device Patent
[NASA CASE XMS-01545] c 14 N70-40233
Lightweight electrically-powered flexible thermal laminate
[NASA-CASE-MSC-12662-1] c 33 N79-12331
- SAUNDERS, A. A., JR.**
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- SAUNDERS, A. R.**
A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- SAUNDERS, J. M.**
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- SAUNDERS, N. T.**
Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
- SAUTER, R. J.**
Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
- SAVAKIS, ANDREAS E.**
Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761
- SAWKO, P. M.**
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
Intumescent-ablative coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116

- Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
- SAWYER, C. D.**
Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- SAWYER, D. E.**
Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
- SAWYER, J. T.**
Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- SAWYER, R. V.**
Electrical servo actuator bracket
[NASA-CASE-FRC-11044-1] c 37 N81-33483
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
- SCAPICCHIO, A. J.**
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- SCHACH, M.**
Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
- SCHACHT, W. F.**
Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- SCHACHTER, M. M.**
Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- SCHAEFER, D. H.**
Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778
Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- SCHAEFER, G. J.**
Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
- SCHAEER, G. R.**
Method of making porous conductive supports for electrodes
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- SCHAEFFER, G. L.**
Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468
- SCHAFFERT, J. C.**
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
- SCHALLER, N. C.**
Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- SCHANSMAN, R. R.**
Photoelectric detection system
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- SCHAPPERT, G. T.**
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
- SCHAUS, R. B.**
Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- SCHIEBE, H.**
Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- SHELL, J. T.**
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- SCHER, M. P.**
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
- SCHER, S. H.**
Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
- SCHIFFNER, G.**
Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
- SCHILLER, J. G.**
Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- SCHINDLER, R. A.**
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- SCHLESINGER, F. W.**
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
- SCHLESING, J. A.**
Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
- SCHLOSS, A. L.**
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- SCHMIDT, E. E.**
Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
- SCHMIDT, H. W.**
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- SCHMIDT, K. C.**
Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317
- SCHMIDT, L. F.**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
- SCHMIDT, R.**
Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
- SCHMIDT, R. F.**
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
Dish antenna having switchable beamwidth
[NASA-CASE-GSC-11760-1] c 33 N75-19516
Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
Variable beamwidth antenna
[NASA-CASE-GSC-11862-1] c 32 N76-18295
Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472
Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
- SCHMIDT, SUSAN B.**
High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N87-18561
- SCHMIDT, W. G.**
Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- SCHMITT, A. L.**
Sun angle calculator
[NASA-CASE-MSC-12617-1] c 35 N76-29552
- SCHMITZ, B. W.**
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- SCHMITZ, F. H.**
Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- SCHNEIDER, R. T.**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
Safety flywheel
[NASA-CASE-HQN-10888-1] c 44 N79-14527
- SCHNEIDER, W. C.**
Auger attachment method for insulation
[NASA-CASE-MSC-12615-1] c 37 N76-19437
Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
- SCHNEIDER, WILLIAM C.**
Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N87-15260
- SCHNITZER, E.**
Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
- SCHNOPPER, H. W.**
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- SCHOEN, A. H.**
Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
Honeycomb core structures of minimal surface tubule sections
[NASA-CASE-ERC-10363] c 18 N72-25541
Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
- SCHOLL, J. A.**
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
- SCHOMBURG, C.**
Densification of porous refractory substrates
[NASA-CASE-MSC-18737-1] c 24 N83-13171
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- SCHORUM, S. W.**
High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
- SCHOTT, T. D.**
Inductive energy for rapid strain gauge attachment
[NASA-CASE-LAR-13237-1] c 35 N86-24960
- SCHRAMER, J. H.**
Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
- SCHREDER, K. D.**
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
- SCHROEDER, J. E.**
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- SCHRYER, D. R.**
Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SR] c 25 N86-32540
Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- SCHUBERT, F. H.**
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
- SCHUBERT, W. W.**
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- SCHUERER, P. H.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841
- SCHULLER, F. T.**
Journal bearings
[NASA-CASE-LEW-11076-1] c 37 N74-21061
Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- SCHULTZ, D. F.**
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
- SCHUMACHER, L. L.**
Wide angle sun sensor
[NASA-CASE-NPO-13327-1] c 35 N75-23910
- SCHUSTER, D. M.**
Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- SCHUSTER, M. A.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- SCHUTT, J. B.**
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044
- SCHUTZENHOFER, L. A.**
Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
- SCHWAB, W. B.**
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 31 N78-17237
Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- SCHWARTZ, I. R.**
Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
- SCHWARZ, F. C.**
Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
Analog Signal to Discrete Time Interval Converter (ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Load insensitive electrical device
[NASA-CASE-XER-11046-2] c 33 N74-22864
- SCHWINGHAMER, R. J.**
Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179
Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- SCHWUTKE, G. H.**
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- SCIACCA, T. P.**
Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982
- SCOGGINS, J. R.**
Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
- SCOPELIANOS, A. G.**
Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Carbonylchlorophosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
Carbonylmethylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- SCOTT, C. D.**
Aerobraking orbital transfer vehicle
[NASA-CASE-MSC-20921-1] c 18 N86-20471
- SCOTT, C. E.**
Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437
- SCOTT, C. N.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- SCOTT, D. R.**
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N84-14423
- SCOTT, R. F.**
Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- SCOTT, R. R.**
Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- SCOTT, S. G.**
Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-KAR-03786] c 09 N69-21313
- SCOTT, W. L.**
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- SCOW, J.**
Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
- SCROOP, F. R.**
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- SCUDDER, L. R.**
Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- SCULLY, P. T.**
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
- SEA, R. G.**
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- SEABAUGH, A. C.**
Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- SEAMAN, C. H.**
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- SEATON, A. F.**
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
- SEATON, S. L.**
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
- SEAY, B. P., JR.**
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
- SEBACHER, D. I.**
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- SECKEL, E.**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- SECRETAN, L.**
Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- SEEGMILLER, H. L. B.**
Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
- SEIDEL, B. L.**
Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- SEIDENBERG, B.**
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
- SEILER, E. E.**
Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
- SEITZ, T. E.**
Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-XMF-11358] c 03 N71-26084
- SEITZINGER, V. F.**
Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
- SELCEK, M. K.**
Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582
Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- SELLEN, J. M., JR.**
Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
- SELLERS, F. J.**
Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- SENNOTT, J. W.**
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- SENSEY, R. M.**
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle
[NASA-CASE-KSC-11064-1] c 31 N81-14137
- SERAFINI, T. T.**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- SETZER, D.**
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N85-21595
- SEWARD, H. H.**
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
- SEYFFERT, M. B.**
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
- SEYL, J. W.**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- SHACK, R. V.**
Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396

- SHADY, D. L.**
Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- SHAEFER, D. H.**
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
- SHAFFER, J. I.**
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- SHAFFER, C. V.**
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
- SHAI, C. M.**
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
- SHAI, M. C.**
Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044
- SHALHOUB, I. M.**
The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Bifunctional monomers having terminal oxime and cyano or amide groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11823-2] c 27 N82-24338
- SHALTENS, R. K.**
Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
- SHANKAR, N. K.**
Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- SHANKS, G. C.**
Compression test apparatus
[NASA-CASE-MSC-11823-2] c 35 N83-21312
- SHANNON, R. L.**
Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- SHANNON, R. R.**
Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- SHAPIRO, H.**
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489
- SHARMA, G. C.**
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-32634
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- SHARMA, M.**
Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
- SHARMA, M. M.**
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- SHARPE, M. H.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- SHATAZSKY, R.**
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- SHATTUCK, R. D.**
Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- SHAW, C. S.**
Exhaust flow deflector
[NASA-CASE-LAR-11570-1] c 34 N76-18364
- SHAW, D. S.**
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254
- SHAW, G. C.**
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- SHAW, R. C.**
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413
- SHEARER, C. H.**
Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- SHEETS, R. E.**
Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551
- SHEFSIEK, P. K.**
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
- SHEILEY, D. W.**
Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-1] c 44 N79-17313
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 33 N84-14422
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- SHELPUK, B.**
Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- SHELTON, G. B.**
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- SHELTON, J. P., JR.**
Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483
- SHELTON, R. D.**
Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
- SHEPARD, C. E.**
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- SHEPARD, L. F.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- SHEPARD, N. F., JR.**
Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- SHEPARD, S. K.**
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- SHER, A.**
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- SHERBURNE, A. E.**
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- SHERFFEY, J. M.**
Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
- SHERMAN, A.**
Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- SHERRILL, G.**
Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- SHERWIN, E. J.**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- SHETH, S.**
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
- SHETH, S. G.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- SHEWMAKE, G. A.**
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
- SHIEBER, H.**
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
- SHIELDS, N. L.**
Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114
- SHIGEMOTO, F. H.**
Laser fluid velocity detector Patent
[NASA-CASE-XNP-10770-1] c 16 N71-24828
- SHILLINGER, G. L., JR.**
Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- SHIM, I. H.**
Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- SHIMA, R.**
Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- SHIMADA, K.**
Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- SHIMANSKY, R. A.**
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- SHIMIZU, M.**
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991

- SHIMODA, K.**
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- SHIRA, C. S.**
Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
- SHIRE, L. I.**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- SHLICHTA, P. J.**
Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760
- SHLOSINGER, A. P.**
Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- SHORES, P. W.**
Position determination systems
[NASA-CASE-MSC-12593-1] c 17 N76-21250
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820
Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N86-24879
- SHORES, PAUL**
Method and apparatus for measuring frequency and phase difference
[NASA-CASE-MSC-20865-1] c 32 N87-18692
- SHORTTRIDGE, S. R.**
Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- SHRIVER, C. B.**
Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- SHRIVER, C. L.**
Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
- SHRIVER, E. L.**
Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843
Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
Self-energized plasma compressor
[NASA-CASE-MFS-22145-1] c 75 N75-13625
Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390
- SHROCK, C. G.**
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- SHUBE, E. E.**
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- SHULER, R. L., JR.**
Real-time garbage collection for list processing
[NASA-CASE-MSC-20964-1] c 60 N87-14863
- SHULL, T. A.**
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- SHULMAN, A. R.**
Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- SHUMATE, M. S.**
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- SHUMKA, A.**
Space-charge-limited solid-state triode
[NASA-CASE-NPO-13064-1] c 33 N79-11314
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- SHURE, L. I.**
Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- SHUTE, D. I.**
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- SIDMAN, K. R.**
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MSC-14331-3] c 27 N78-32262
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-1] c 27 N82-16238
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484
- SIDNEY, B. D.**
Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1S8] c 25 N86-32540
Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1S8] c 25 N86-32541
- SIDORAK, L. G.**
Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- SIEBERT, C. J.**
Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
- SIEGEL, B.**
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
- SIEGEL, C. M.**
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- SIEGMAN, A. E.**
Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- SIERADSKI, L. M.**
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
- SIEVERS, M. W.**
High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
- SIEWERT, R. D.**
Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- SIGFRED, J.**
Length controlled stabilized mode-lock ND:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
- SIGNORELLI, R. A.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Method of making fiber composites
[NASA-CASE-LEW-10424-22] c 18 N72-25539
- SIKORA, P. F.**
High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- SIKORRA, D. J.**
Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
- SILVER, R. H.**
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364
Subminiature insertable force transducer
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
- SILVERMAN, J. R.**
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- SILVERTSON, W. E., JR.**
Logical function generator
[NASA-CASE-XLA-05099] c 09 N73-13209
- SIMAS, V. R.**
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
- SIMMONDS, M. R.**
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- SIMMONDS, P. G.**
Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- SIMMONS, G. M.**
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
- SIMMONS, W. H.**
Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
- SIMON, M. K.**
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
- SIMON, MARVIN K.**
Trellis coded modulation for transmission over fading mobile-satellite channel
[NASA-CASE-NPO-16904-1-CU] c 32 N87-18691
- SIMON, S. L.**
Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
- SIMONTON, J. W.**
Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867
- SIMPKINS, L. G.**
Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115
- SIMPSON, J. G.**
Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- SIMPSON, NORMAN R.**
Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115
- SIMPSON, W. E.**
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
- SIMPSON, W. G.**
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- SIMS, C. R.**
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421

SINCLAIR, A. R.

- Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- SINGER, S.**
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
- SINGH, J. J.**
Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
- Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292
- A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
- Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547
- SINGH, JAG J.**
Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N87-18626
- SINHA, M. P.**
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- SINSKY, M. S.**
Polyenamides from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462
- SIROCKY, P. J.**
Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- SIVERTSON, W. E., JR.**
Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
- Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
- Method of locating persons in distress
[NASA-CASE-LAR-11390-1] c 32 N77-21267
- Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
- SIVITER, J. H., JR.**
Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
- SIVLEY, J. B.**
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
- SIZEMORE, K. O.**
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- SLATER, R. J.**
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- SLAYDEN, M. D.**
Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- SLEEMAN, W. C., JR.**
Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038
- SLEMP, W. S.**
Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
- SLIFER, L. W., JR.**
Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
- SLINEY, H. E.**
Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
- Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105
- Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
- Bearing material
[NASA-CASE-LEW-11930-1] c 24 N76-22309

- Method of making bearing materials
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- Carbide/fluoride/silver self-lubricating composite
[NASA-CASE-LEW-14196-1] c 24 N87-10179
- SLOWIKOWSKI, D. F.**
Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
- SMALL, J. G.**
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
- SMALL, W. J.**
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- SMIALEK, J. L.**
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- SMILOWITZ, K.**
Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- SMISER, L. W.**
Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520
- SMITH, A. B.**
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- SMITH, C.**
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- SMITH, D.**
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- SMITH, D. L.**
Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
- SMITH, E. B.**
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- SMITH, E. W.**
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
- Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- SMITH, G. E.**
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- SMITH, H. A.**
Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
- Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- SMITH, H. E.**
Digital computing cardiographometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
- Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850
- SMITH, H. J.**
Variable resistance constant tension and lubrication device
[NASA-CASE-KSC-10/23-1] c 3/ N75-13265
- SMITH, J. A.**
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- SMITH, J. G.**
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- SMITH, J. P.**
Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- SMITH, J. R., JR.**
Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
- Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
- Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
- SMITH, J. W.**
Apparatus for damping operator induced oscillations of a controlled system
[NASA-CASE-FRC-11041-1] c 33 N82-18493

- SMITH, L.**
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- SMITH, L. G.**
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408
- SMITH, L. H., JR.**
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
- SMITH, L. S.**
Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- SMITH, M.**
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
- Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442
- SMITH, N. J.**
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392
- SMITH, P. D.**
Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
- SMITH, R. E.**
High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- SMITH, R. W.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- SMITH, S. F.**
Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N86-20668
- SMITH, T. B., III**
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- SMITH, W. O.**
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
- Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- SMITH, W. R.**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- SMITH, W. W.**
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- SMITHRICK, J. J.**
Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 44 N86-25874
- SMOOT, G. F.**
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- SMYLY, R. E.**
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
- SMYLY, H. M.**
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
- Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469
- SNEEDEN, R. J.**
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
- SNODDY, L. G.**
Insert facing tool
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- SNYDER, J. A.**
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
- SNYDER, L. M.**
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

- SNYDER, P. K.**
Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697
- SNYDER, R. S.**
Method of crystallization
[NASA-CASE-MFS-23001-1] c 76 N77-32919
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- SODD, V. J.**
Production of high purity I-123
[NASA-CASE-LEW-10518-1] c 24 N72-33681
- SOFFEN, G. A.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- SOHL, G.**
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- SOINI, H. E.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-10152] c 14 N71-15992
- SOKOLOWSKI, D. E.**
Heat exchanger
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- SOLOMON, G.**
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
- SOLTIS, D. G.**
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 33 N84-14422
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- SOMOANO, R. B.**
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- SONNENSCHIEIN, C. M.**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- SONNENSCHIEIN, G.**
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- SORENSEN, C. E.**
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628
- SORENSEN, N. E.**
Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- SOTER, E. J.**
Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
- SOTHERLUND, A. W., JR.**
Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- SOURS, W. P.**
Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
- SOVEY, J. S.**
Modification of the electrical and optical properties of polymers
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-1] c 27 N86-19458
Oxidation protecting coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N86-26434
- Apparatus for producing oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-2] c 27 N86-32569
- SOVEY, JAMES S.**
Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875
- SOWA, W. W.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- SPADY, A. A., JR.**
Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- SPAIN, I. L.**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- SPALVINS, T.**
Deposition of alloy films
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- SPANG, H. A., III**
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- SPARKS, R. H.**
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- SPEARMAN, M. L.**
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- SPEISER, R. C.**
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
- SPENCER, B., JR.**
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- SPENCER, D. J.**
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- SPENCER, J. L.**
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
- SPENCER, P. R.**
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- SPENCER, R. L.**
Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
- SPENCER, R. S.**
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- SPIER, R. A.**
Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Vee-notching device
[NASA-CASE-MFS-20730-1] c 39 N74-13131
- SPIES, R.**
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- SPITZE, L. A.**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- SPITZER, C. R.**
Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- SPITZIG, W. A.**
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
- SPREACACE, R. P.**
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- SPRINGER, L. R.**
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
- SPRINGETT, J. C.**
Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
- SPRINGFIELD, C. L.**
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- SPRINKLE, D. R.**
Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547
- SPRINKLE, DANNY R.**
Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N87-18626
- SPROSS, F. R.**
Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599
- SPUCK, W. H., III**
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- SQUILLARI, W.**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- SQUYRES, H. P.**
Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941
- SRIVASTAVA, S. K.**
Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
- ST.CLAIR, A. K.**
Crystalline polyimides
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-2] c 27 N85-21349
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
Polyimides containing ATBN elastomers and the process for preparing same
[NASA-CASE-LAR-13178-1] c 27 N86-20565
Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- ST.CLAIR, T. L.**
Crystalline polyimides
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
[NASA-CASE-LAR-12858-2] c 27 N85-20124
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-2] c 27 N85-21349
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282

- Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
- Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N86-25478
- Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- STACEY, A. B., JR.**
Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335
- STACEY, J. M.**
Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- STACY, J. E.**
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138
- STAHLEY, S. D.**
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782
- STAINBACK, J. D.**
Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- STALEY, H. W.**
Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- STALEY, R. W.**
Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- STALLCOP, J. R.**
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- STALOFF, C.**
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- STAMPS, J. C.**
Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485
- STANDAGE, A. E.**
High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- STANGE, W. C.**
Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
- Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
- STANLEY, A. G.**
Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- STARK, K. W.**
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094
- STARK, M. W.**
Solid propellant liner Patent
[NASA-CASE-NPO-09744] c 27 N71-16392
- STARKEY, D. J.**
Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
- STARNER, E. R.**
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MS-C-14649-1] c 33 N76-16331
- STATTLE, R. J.**
Memory-based frame synchronizer
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- STAUGATIS, C. L.**
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550
- STCLAIR, A. K.**
High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561
- Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039
- STCLAIR, T. L.**
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
- Process of end-capping a polyimide system
[NASA-CASE-LAR-13135-1] c 27 N86-19456
- High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561
- Polyimides containing ATBN elastomers and the process for preparing same
[NASA-CASE-LAR-13178-1] c 27 N86-20565
- Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039
- Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof
[NASA-CASE-LAR-13318-1] c 27 N87-14516
- STCLAIRE, T. L.**
Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- STEBBINS, F. J.**
Shuttle-launch triangular space station
[NASA-CASE-MS-C-20676-1] c 18 N86-24729
- STECURA, S.**
Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
- Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
- Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
- STEELE, E. R.**
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
- Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132
- STEELE, R. K.**
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- STEENHAGEN, G.**
Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
- STEENKEN, J.**
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- STEIN, B. A.**
Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- STEIN, R. J.**
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- STEIN, S.**
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
- Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
- Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
- STEINBERG, R.**
Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- STEINMETZ, C. P.**
Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- STELBEN, J. J.**
Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- STELL, R. E.**
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
- STELLA, A. J.**
Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
- STELN, B. A.**
Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
- STELTS, P. D.**
Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- STELZRIED, C. T.**
Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
- Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- STENGARD, E. O.**
Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- STENGEL, R. F.**
Wind velocity probing device and method Patent
[NASA-CASE-XLA-02081] c 20 N71-16281
- STENLUND, S. J.**
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
- Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- STEPHANS, J. B.**
Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
- STEPHENS, D. G.**
Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
- Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
- Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- STEPHENS, D. L.**
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- STEPHENS, J. B.**
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
- Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
- Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
- Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
- Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
- Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
- Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- STEPHENS, J. R.**
Process for making a high toughness-high strength iron alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- STERLING, S. E., JR.**
Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
- STERMAN, A. P.**
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- STERN, N.**
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- STERRETT, J. R.**
Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- STETSON, A. R.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- STEDL, R. M.**
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
- STEVENS, M. L.**
Surface conforming thermal/pressure seal
[NASA-CASE-MS-C-18422-1] c 37 N82-16408

- STEVENS, M. R.**
Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
- STEVENSON, L. E.**
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
- STEWART, C. H.**
Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240
- STEWART, D. A.**
Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339
High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- STEWART, R. B.**
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
- STEWART, W. L.**
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- STICKLE, J. W.**
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- STIFFLER, J. J.**
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- STIGBERG, J. D.**
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- STINE, H. A.**
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- STIRN, R. J.**
High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- STJOHN, R. H.**
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- STOKLEY, D. M.**
Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- STOCKARD, R. R.**
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
- STOCKER, P. J.**
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- STOCKS, C. D.**
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
- STOCKTON, R. J.**
Microwave switching power divider
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- STOKES, C. S.**
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- STOKES, R. C.**
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- STOLLER, F. W.**
Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- STONE, F. A.**
Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
- STONE, L. P.**
Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
- STONE, R. W., JR.**
G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- STONE, S. E.**
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
- STONEBURNER, J. D.**
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
- STOOPS, W. E., JR.**
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- STORY, A. W.**
System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- STOTLER, C. L., JR.**
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- STRAIGHT, D. M.**
Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
Gas turbine exhaust nozzle
[NASA-CASE-LEW-11569-1] c 07 N74-15453
- STRAND, L. D.**
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Nitramine propellants
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- STRANGE, M. G.**
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
- STRASS, H. K.**
Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- STREED, E. R.**
Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- STRINGHAM, R. S.**
Vitra-violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- STROCK, W. J.**
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- STROM, T. N.**
Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
Spiral groove seal
[NASA-CASE-XLE-10326-4] c 37 N74-15125
- STRONG, I. J.**
Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
- STRONG, J. P., III**
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- STROUB, R. H.**
Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
- STROUGHTON, JOHN W.**
Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761
- STROUHAL, G.**
Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- STROUP, E. R.**
Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- STRULL, G.**
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- STRUTHOFF, G. L.**
Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- STUART, J. L.**
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- STUART, J. W.**
Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
- STUCKEY, J. M.**
Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- STUDENICK, D. K.**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
- STUDER, P. A.**
Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
Magnetic bearing
[NASA-CASE-GSC-11079-1] c 37 N75-18574
Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Linear magnetic motor/generator
[NASA-CASE-GSC-12518-1] c 33 N82-24421
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
Three axis attitude control system
[NASA-CASE-GSC-12970-1] c 08 N86-20396
- STUDER, PHILIP A.**
Radial and torsionally controlled magnetic bearing
[NASA-CASE-GSC-12957-1] c 37 N87-17038
- STUMP, C. W.**
Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- STUMP, E. C., JR.**
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- STURGIS, A. C.**
Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- STURM, R. G.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- STURMAN, J. C.**
Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471
- STYLES, C. M.**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
- SUDEY, J.**
Low speed phaselock speed control system
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- SUGG, F. E.**
Acoustic emission frequency discrimination
[NASA-CASE-MSC-20467-1] c 35 N87-14676
- SULLIVAN, D. B.**
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
- SULLIVAN, E. M.**
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796

- SULLIVAN, J. L.**
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- SULLIVAN, T. E.**
Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- SUMIDA, J. T.**
Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- SUMMERFIELD, D. G.**
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- SUMMERS, R. H.**
Geneva mechanism
[NASA-CASE-NPO-13281-1] c 37 N75-13266
- SUPPLEE, F. H., JR.**
Two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N86-32696
- SUSZKO, S. F.**
Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594
- SUTLIFF, J. D.**
Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630
- SWAIN, R. J.**
One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571
Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- SWAIN, R. L.**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
- SWANN, R. T.**
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
- SWARTZ, P. F.**
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- SWEAT, J. C.**
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- SWEET, G. E.**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
- SWETTE, L. L.**
Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
- SWINGLE, R. L.**
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- SWIRSKY, B. D.**
Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- SWORDS, B. B.**
Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- SYDNOR, R. L.**
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- SYVERTSON, C. A.**
Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- SZUWALSKI, B.**
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839

T

- TABACK, I.**
Small conductive particle sensor
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- TADDEO, F. V.**
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- TALBOT, M. W.**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- TALLEY, D. H.**
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
- TARPLEY, J. L.**
Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489

- TASHBAR, P. W.**
System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161
- TAUB, W. M.**
Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
- TAUSWORTHE, R. C.**
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- TAYLOR, A. H.**
Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715
Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 05 N86-19310
- TAYLOR, ALLAN H.**
Composite piston
[NASA-CASE-LAR-13435-1] c 37 N87-15464
- TAYLOR, C. J.**
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
- TAYLOR, J. R.**
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- TAYLOR, L. L.**
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
- TAYLOR, L. T.**
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- TAYLOR, L. V.**
Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
- TAYLOR, M. S.**
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
- TAYLOR, R. A.**
Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
- TAYLOR, R. C.**
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- TAYLOR, R. E.**
Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- TAYLOR, T. I.**
Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- TCHERNEV, D. I.**
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- TE POEL, H. E.**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- TEGNELIA, C. R.**
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- TEITELBAUM, S.**
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- TELFER, T. A.**
Method of determining bond quality of power transistors attached to substrates
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- TEMPLE, G.**
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238

- TEMPLE, H. E.**
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- TENER, W. M.**
Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- TENG, R. N.**
Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
- TENNEY, J. B., JR.**
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- TENOSO, H. J.**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- TEPPER, E. H.**
Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- TERP, L. S.**
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
- TERRAY, A.**
Method of making an apertured casting
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- TERSELIC, R. A.**
Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
- TERVET, F. W.**
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- TESINSKY, J. S.**
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- TETSUKA, G. M.**
Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- THAKOOR, A. P.**
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
Method of producing high T superconducting NBN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- THAKOOR, S.**
Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- THALER, S.**
Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- THALLER, L. H.**
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- THATCHER, C. S.**
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
- THEAKSTON, H. A.**
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
- THEISS, M.**
Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MSC-25509-1] c 35 N83-24828
- THIBODAUX, J. G., JR.**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143
- THIEL, A. M.**
Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
- THIELE, C.**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675

- THIELE, C. L.**
Thermal energy transformer Patent
[NASA-CASE-NPO-14058-1] c 44 N79-18443
- THOLE, J. M.**
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- THOM, K.**
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- THOMAS, D. F., JR.**
Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085
Kinesthetic control simulator
[NASA-CASE-LAR-10276-1] c 09 N75-15662
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- THOMAS, H. N.**
Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
- THOMAS, N. E.**
Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- THOMAS, N. L.**
Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- THOMAS, R. D.**
Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
Thermocouple tape
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
- THOMAS, R. R.**
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- THOMASON, H. E.**
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- THOMPSON, G. D., JR.**
Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- THOMPSON, J. R., JR.**
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- THOMPSON, R. B.**
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398
- THOMPSON, R. E.**
On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431
- THOMPSON, S. W.**
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- THOMPSON, W. W.**
Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- THOMSON, A. R.**
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
- THOMSON, J. A. L.**
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- THORNHILL, J. W.**
Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- THORNTON, G. E.**
Hole cutter
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- THORNTON, W. E.**
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803
- THORNWALL, J. C.**
Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- THORPE, R. S.**
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
- THYS, P. C.**
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- TIBBITTS, W. C.**
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- TICKNER, E. G.**
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- TIEFERMANN, M. W.**
Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- TILLER, N. G.**
Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N86-32770
- TIMM, J. D.**
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- TIMOR, U.**
Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- TINLING, B. E.**
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
- TISCHLER, R. F.**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- TISDALE, H. F., SR.**
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- TITLE, A. M.**
Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- TITUS, L. E.**
Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
- TOBIAS, R. A.**
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
- TOCK, R. W.**
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- TODD, H. H.**
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
- TOFT, A. R.**
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- TOLL, T. A.**
Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
- TOLSON, B. A.**
Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
- TOM, H. Y.**
Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- TOMBRELLO, T. A.**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- TOMLINSON, H. M.**
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- TOMLINSON, L. E.**
Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
- TONGIER, M., JR.**
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- TOOLE, P. C.**
High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197
High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
Compact-bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356
- TOOTS, J.**
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- TOPITS, A., JR.**
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
- TORBETT, M. A.**
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- TORNEY, F. L., JR.**
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
- TOTH, L. R.**
Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
- TOWNES, C. H.**
Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
- TOWNSEND, M. R.**
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- TOY, M. S.**
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
Violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- TRADER, A. G.**
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147
- TRAJMAR, SANDOR**
Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1-CU] c 25 N87-18625
- TRAVIS, E. W.**
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
- TRELEASE, R. B.**
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- TRENT, R. C.**
Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
- TRENT, R. L.**
Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- TRIMBLE, D. W.**
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345

U

- TRIMPI, R. L.**
Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- TRINH, E. H.**
System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- TRIOLO, J. J.**
Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
- TRIPP, C. N.**
Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
- TRISCHLER, F. D.**
Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- TROEGER, R. E.**
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- TROMBKA, J. I.**
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
- TROST, R. F.**
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- TROUT, O. F., JR.**
Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
- TROWBRIDGE, D. L.**
Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410
Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
- TRUBERT, M. R.**
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
- TRUSCH, R. B.**
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- TRUSSELL, D. H.**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- TSCHIRCH, R. P.**
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-1] c 27 N82-16238
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484
- TSCHUNKO, H. F. A.**
Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
- TSUDA, G. I.**
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863
- TSUO, Y. H.**
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- TSUTSUMI, K.**
Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- TUBBS, E. F.**
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- TUBBS, H. E.**
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

- TUCKER, C. E.**
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- TUCKER, E. M.**
Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
- TUGGLE, R. H., JR.**
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
- TULEY, E. N.**
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- TUMULTY, W. T., JR.**
Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
- TUNG, Y.**
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- TURK, R. R.**
Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
- TURLY, A. P.**
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- TURNAGE, J. E.**
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- TURNER, G. B.**
Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- TURNER, J. W.**
Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386
- TURNER, R. C.**
Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
- TURNER, R. E.**
Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
- TURNER, T. M.**
Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
- TURNER, T. R.**
Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
- TUTTLE, S. A.**
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- TVEITAN, W.**
Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- TWARD, E.**
Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- TYAGI, R. C.**
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- TYCZ, M.**
Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
- TYERYAR, J. R.**
Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
A method of estimating the molecular weight of polymeric materials
[NASA-CASE-LAR-13212-1] c 27 N87-10206
- TYLER, A. L.**
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- TYREE, V. C.**
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

- UBER, P. W.**
Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
- ULRICH, B. R.**
Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140
- ULRICH, D. R.**
Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
- ULRICH, G. W.**
Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
- UNDERWOOD, J. H.**
Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
Multiple focusing collimator
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- UNNAM, J.**
Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- UPCHURCH, B. T.**
Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- UPDIKE, O. L.**
Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- UPTON, D. T.**
Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465
- URBAN, E. W.**
Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133
- URSERY, B. C.**
Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224

V

- VADAKAN, V. V.**
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- VALENTIJN, H. P.**
Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
- VALINSKY, J. P.**
Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
- VALLOTTON, W. C.**
Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
- VANALSTYNE, E. M.**
Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
- VANARK, W.**
Airborne tracking Sun photometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N86-21982
- VANARNAM, D. E.**
Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- VANATTA, L. C.**
Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- VANAUKEN, R.**
Reinforced polyquinoxaline gasket and method of preparing the same
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- VANDERHOFF, J. W.**
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- VANDERIET, E. K.**
Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
- VANGO, S. P.**
Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210

- VANNUCCI, R. D.**
Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- VANO, A. E.**
Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
- VANORNUM, D. G.**
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- VANSCHOIACK, M. M. E.**
High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
- VANTUYLRUSCH, W.**
Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
- VARGO, D. J.**
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
- VARMA, I. K.**
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- VARS, G.**
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
- VARY, A.**
Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599
Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
- VASILAKOS, N.**
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- VAUGHAN, G. R.**
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
- VAUGHAN, O. H.**
Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
- VAUGHAN, R. L.**
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
- VAUGHAN, R. W.**
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
- VAUSE, R.**
Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- VEHRENCAMP, J. E.**
Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- VEIKINS, O.**
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- VEILLETTE, L. J.**
Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
- VELLEND, H.**
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- VERMILLION, C. H.**
Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
- VERMILLION, C. M.**
Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
- VERNIKOS, J.**
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- VESSOT, R. F. C.**
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- VICK, A. R.**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
- VICK, H. A.**
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
- VICKERS, E. C.**
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- VICKERS, J. M.**
Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
- VICKERS, J. M. F.**
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- VIEHMANN, W.**
Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900
- VIKINSALO, S. J.**
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- VILLARREAL, S.**
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
- VINAL, A. W.**
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
- VINCENT, J. S.**
Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- VINE, J.**
Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
- VIVIAN, H. C.**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
- VLASSE, M.**
Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004
- VODICKA, V. W.**
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- VOGELEY, A. W.**
Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- VOGL, O.**
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- VOLK, G. G.**
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- VOLKOFF, J. J.**
Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697
- VOLPE, F. A.**
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- VONPRAGENAU, G. L.**
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008
Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420
- VONROOS, O.**
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251
- VONROOS, O. H.**
Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541
- VONTIESENHAUSEN, G. F.**
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352
- VORHABEN, K. H.**
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- VORKINK, H. G.**
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- VORREITER, J. W.**
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393
- VRANAS, T.**
Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- VUKELICH, E. K.**
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
- VYKUKAL, H. C.**
Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092
Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618

- Elbow and knee joint for hard space suits
[NASA-CASE-ARC-11610-1] c 54 N86-28619
Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620
Shoulder and hip joints for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N86-29507
VYKUKAL, HUBERT C.
Weightlessness simulation system and process
[NASA-CASE-ARC-11646-1] c 14 N87-15253

W

- WADE, O. W.**
Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
WADE, W. R.
Improved legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226
WAGES, C. G.
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
WAGNER, A. P.
Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
WAGNER, C. A.
Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
WAGNER, H. R.
Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
WAGNER, HOWARD ANDREW
Scalloped-geometry solar concentrator
[NASA-CASE-MSC-21061-1] c 44 N87-18921
WAGNER, W. B.
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
WAKELYN, N. T.
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
WALD, D.
Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
WALKER, D. J.
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
WALKER, H. J.
Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277
WALKER, H. M.
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
WALKER, W. L.
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
WALL, R. J.
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
WALL, W. A.
Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850
WALL, W. A., JR.
Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050
Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
WALLACE, C. J.
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
WALLACE, E. D.
Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
WALLACE, G. R.
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
WALLINGFORD, W. M.
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
WALLIO, M. A.
Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
WALLIS, D. E.
Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713
WALLSOM, E.
Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
WALLSOM, R. E.
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147
WALSH, J. M.
Specific wavelength colorimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860
WALSH, J. V.
Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
WALSH, M. J.
Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
WALSH, T. C.
Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
WALSH, T. J.
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
WALSH, T. M.
Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
WALTER, H. U.
Method of crystallization
[NASA-CASE-MFS-23001-1] c 76 N77-32919
WALTERS, R. M.
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
WALTON, T. S.
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
WANG, D. S.
Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
WANG, G. Y.
A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836
WANG, T.
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
WANG, T. G.
Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319

- Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896
System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
WANG, W. S.
Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
WANGER, R. P.
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
WARD, D. R.
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
WARD, J. F.
Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
WARD, J. O.
Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
WARD, W. D.
Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
WARKENTINE, D. K.
Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605
WARNECK, P.
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
WARREN, A. D.
Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
WARREN, A. P.
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
WARREN, E. L.
Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606
WATERS, W. J.
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026
Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
Nickel base alloy
[NASA-CASE-LEW-12270-1] c 26 N77-32280
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
WATKINS, V. E., JR.
Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
WATSON, J. D.
Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
WATSON, J. E.
High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
WATSON, N. D.
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
WATSON, V. R.
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
WATTS, D. J.
Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630

- WAYLAND, H. J.**
Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- WEAR, J. D.**
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
- WEATHERS, G. D.**
Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- WEAVER, L. B.**
Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- WEAVER, W. R.**
Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- WEBB, D. D.**
Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290
- WEBB, D. L.**
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235
- WEBB, J. A., JR.**
Circuit for detecting initial systole and diastolic notch
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- WEBB, J. B.**
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- WEBBON, B. W.**
Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- WEBER, G. E.**
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- WEBER, G. J.**
Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- WEBER, L.**
Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- WEBER, R. J.**
Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- WEBSTER, C. R.**
Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N86-20777
Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 35 N86-25753
- WEBSTER, J. A.**
Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides)
[NASA-CASE-MFS-22356-1] c 23 N75-30256
Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
- WEBSTER, L. D.**
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- WEETON, J. W.**
Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- WEIDENHAMER, J. H.**
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- WEIDMAN, D. J.**
High intensity heat and light unit Patent
[NASA-CASE-XLA-00141] c 09 N70-33312
- WEIDNER, J. P.**
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161
- WEIGAND, A. J.**
Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- WEINBERG, I.**
Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875
- WEINGART, J. M.**
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- WEINSTEIN, L.**
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- WEINSTEIN, L. M.**
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
Ice detector
[NASA-CASE-LAR-13403-1] c 03 N86-24673
- WEINSTEIN, M.**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- WEISS, P. F.**
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- WEISS, S.**
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- WEITZEL, D. F.**
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- WEITZEL, D. H.**
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- WELCH, W. A.**
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
- WELLING, C. E.**
Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- WELLMAN, J. B.**
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
- WELLS, A. F.**
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- WELLS, B. R.**
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- WELLS, F. E.**
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495
- WELLS, I. D.**
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- WELLS, W. H.**
Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
- WELLS, W. L.**
Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
- WENDT, A. J.**
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
- WENZEL, G. E.**
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
- WERNER, E. A.**
Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- WESSELSKI, C. J.**
Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450
Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729
- WESSELSKI, CLARENCE J.**
Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N87-15260
Locking hinge
[NASA-CASE-MSC-21056-1] c 18 N87-18595
Expandable pallet for space station interface attachments
[NASA-CASE-MSC-21117-1] c 18 N87-18597
- WEST, R. L.**
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
- WEST, R. W., JR.**
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
- WESTBROOK, R. M.**
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- WESTER, G. W.**
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
- WESTFALL, L. J.**
Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027
- WESTON, K. C.**
Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
- WESTPHAL, J. A.**
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- WETMORE, J. W.**
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- WETZLER, D. G.**
Thrust-isolating mounting
[NASA-CASE-MFS-21680-1] c 18 N74-27397
- WEYLER, G. M., JR.**
Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
Method of manufacture of bonded fiber flywheel
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- WEZNER, F. S.**
Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658
- WHEATLEY, D. G.**
Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- WHEELER, D. R.**
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- WHEELER, R. K.**
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
- WHEELER, S.**
Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- WHEELER, S. B.**
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
- WHIFFEN, E. L.**
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683

- WHIPPLE, D. W.**
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- WHIPPLE, E. C., JR.**
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
- WHIPPLE, R. D.**
Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
- WHISENANT, J. T.**
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
- WHITACRE, H. E.**
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
- WHITCOMB, R. T.**
Airfoil shape for flight at subsonic speeds
[NASA-CASE-LAR-10585-1] c 02 N76-22154
- WHITE, A. R.**
Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842
- WHITE, E. C.**
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
Lightweight, variable solidity knitted parachute fabric
[NASA-CASE-LAR-10776-1] c 02 N74-10034
- WHITE, E. RICHARD**
Over-the-wing propeller
[NASA-CASE-LAR-13134-2] c 07 N87-16828
- WHITE, F. A.**
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
- WHITE, J. A.**
Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
- WHITE, M. H.**
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- WHITE, P. R.**
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
Fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N86-25752
- WHITE, W. F.**
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- WHITE, W. L.**
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951
Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200
- WHITE, W. T.**
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355
- WHITEHEAD, A. B.**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- WHITEHEAD, C. W.**
Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900
- WHITFIELD, C. E.**
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
- WHITMORE, F. C.**
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
- WHITT, W. D.**
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750
- WHITTEN, D. E.**
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- WHITTENBERGER, J. D.**
Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- WIBERG, R. E.**
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- WIEBE, E. R.**
Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467
Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Refrigerated coaxial coupling
[NASA-CASE-NPO-13504-1] c 33 N75-30430
Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- WIECH, R. E.**
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
- WIKER, G. A.**
Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- WILCOX, B.**
Programmable pipelined image processor
[NASA-CASE-NPO-16461-1CU] c 60 N86-23283
Convolver
[NASA-CASE-NPO-16462-1CU] c 60 N86-24225
- WILEM, R. T.**
Natural turbulence electrical power generator
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- WILEY, F. L.**
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- WILEY, P. H.**
Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- WILGUS, D. S.**
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- WILHELM, H. E.**
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- WILHITE, W. F.**
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- WILKEY, J. W., JR.**
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
- WILKINS, J. R.**
Apparatus for microbiological sampling
[NASA-CASE-LAR-11069-1] c 35 N75-12272
Automatic inoculating apparatus
[NASA-CASE-LAR-11074-1] c 51 N75-13502
Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
Measurement of gas production of microorganisms
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
Electrochemical detection device
[NASA-CASE-LAR-11922-1] c 25 N79-24073
Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
Flow through bacteria detection system
[NASA-CASE-LAR-12871-1] c 35 N85-29218
- WILKINSON, STEPHEN P.**
Thin-element riblet surface
[NASA-CASE-LAR-13553-1] c 34 N87-18778
- WILL, H. A.**
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- WILL, R. W.**
Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- WILLIAMS, B. A.**
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- WILLIAMS, D. D.**
Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050
- WILLIAMS, D. N.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- WILLIAMS, E. F.**
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- WILLIAMS, J. G.**
Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
- WILLIAMS, J. J.**
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- WILLIAMS, J. R.**
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
- WILLIAMS, L. A.**
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
- WILLIAMS, L. A., JR.**
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- WILLIAMS, M. D.**
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- WILLIAMS, M. L.**
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- WILLIAMS, R. M.**
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- WILLIAMS, S. R.**
Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- WILLIAMS, T. E.**
System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- WILLIAMS, W. F.**
System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- WILLIS, A. E.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- WILLNER, K.**
Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10766] c 09 N72-25254
- WILNER, B. M.**
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
- WILSON, A. H.**
Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- WILSON, D. J.**
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- WILSON, E. M.**
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
- WILSON, I. J.**
Method of producing complex aluminum alloy parts of high temper. and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
- WILSON, J. C.**
Exhaust flow deflector
[NASA-CASE-LAR-11570-1] c 34 N76-18364
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- WILSON, L. R.**
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292

- WILSON, M. E.**
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732
- WILSON, M. L.**
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
- WILSON, M. N., JR.**
Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- WILSON, R. E.**
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- WILSON, R. L.**
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- WILSON, T. G.**
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
- WILSON, T. L.**
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- WILSON, W. A.**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- WILSON, W. O.**
Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
- WIMBER, R. T.**
Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- WINBLADE, R. L.**
Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- WING, L. D.**
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- WINGFIELD, G. A.**
Resonant waveguide stark cell
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- WINIARSKI, F. J.**
Wobble gear drive mechanism
[NASA-CASE-WOO-00625] c 37 N78-17385
- WINITZ, M.**
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- WINKELSTEIN, R. A.**
Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- WINKLER, C. E.**
Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- WINKLER, H. E.**
Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166
Bio-medical flow sensor
[NASA-CASE-MSC-18761-1] c 52 N83-27577
- WINKLER, T.**
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- WINN, L. E.**
Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079
Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- WINTUCKY, E. G.**
Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
- WIRTH, M. N.**
Selective data segment monitoring system
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- WISANDER, D. W.**
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
- WISE, R. C.**
Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012
- WISE, T. E.**
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- WITHEROW, W. K.**
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929
- WITTE, R. S.**
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- WITTMANN, A. E.**
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- WITTROCK, E. P.**
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460
- WITZKE, W. R.**
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- WOBIG, O. A.**
Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- WOELLER, F. H.**
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
Self-compensating solenoid valve
[NASA-CASE-ARC-11620-1] c 37 N86-21859
- WOJCIECHOWSKI, C. J.**
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749
- WOJTASINSKI, R. J.**
Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
Electric field measuring and display system
[NASA-CASE-KSC-10731-1] c 33 N74-27862
Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- WOLCZOK, J. M.**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- WOLF, C. B.**
Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- WOLF, D. A.**
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- WOLF, F. T.**
Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
- WOLF, M. F.**
Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598
- WOLFE, J. F.**
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- WOLFF, J. R.**
High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
- WOLLER, J. A.**
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
- WOLOWICZ, C. H.**
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- WOLTHUIS, R. A.**
Contourograph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225
Apparatus and method for processing Korotkov sounds
[NASA-CASE-MSC-13999-1] c 52 N74-26626
- WOLVERTON, B. C.**
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
- WONG, R. Y.**
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
- WONG, W. J.**
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- WOO, K. E.**
High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- WOO, R. T.**
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- WOOD, A. D.**
Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
- WOOD, C. E.**
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- WOOD, G. E.**
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- WOOD, G. M.**
Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444
Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- WOOD, G. M., JR.**
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
- WOOD, G. P.**
Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- WOOD, J. W.**
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- WOOD, K. E.**
High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- WOOD, L. L.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- WOOD, P. C.**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- WOOD, R. A.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743

- WOOD, R. C.**
Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
- WOOD, R. M.**
Device for quick changeover between wind tunnel force and pressure testing
[NASA-CASE-LAR-13512-1] c 35 N87-14675
- WOODBURY, R. C.**
Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- WOODGATE, B. E.**
Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951
- WOODIE, P. E.**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- WOODS, G. J.**
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- WOODS, G. M., JR.**
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- WOODS, J. M.**
Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
- WOOLFSON, M. G.**
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- WOOLLAM, J. A.**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
Atomic hydrogen storage
[NASA-CASE-LEW-12081-2] c 28 N80-20402
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- WORNOM, D. E.**
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
- WORTMAN, J. J.**
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- WRIGHT, D. B.**
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
- WRIGHT, D. E.**
Penetrating radiation system for detecting the amount of iodine in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348
- WRIGHT, E. E., JR.**
System for sterilizing objects
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- WRIGHT, L. N.**
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- WRIGHT, R. E., JR.**
Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
- WRIGHT, W. H.**
Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- WRINKLE, W. W.**
Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123
- WU, C.**
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711
- WU, V. C.**
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578
- WUENSCHER, H. F.**
Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214
Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
- WUERKER, R. F.**
Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
Microbalance
[NASA-CASE-MSC-11242] c 35 N78-17358
- WYBLE, C. W.**
Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- WYDEVEN, T.**
Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- WYDEVEN, T. J.**
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Reverse osmosis membrane of high urea rejection properties
[NASA-CASE-ARC-10980-1] c 27 N80-23452
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361
- WYDEVEN, T. J., JR.**
Method of preparing water purification membranes
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- WYLLIE, G. M.**
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
- WYMAN, C. L.**
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
System for the measurement of ultra-low stray light levels
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- WYNVEEN, R. A.**
Iodine generator for reclaimed water purification
[NASA CASE-MSC-14632-1] c 54 N76-14764
- WYSOCKI, J. J.**
Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

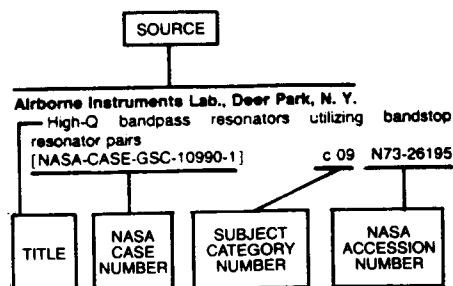
Y

- YAGER, S. P.**
Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
- YAMAKAWA, K. A.**
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- YAMAKI, D. A.**
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
[NASA-CASE-LAR-12858-2] c 27 N85-20124
- YAMAUCHI, S. T.**
Degassifying and mixing apparatus for liquids
[NASA-CASE-MSC-18936-1] c 35 N83-29652
- YANAGITA, H.**
Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- YANG, C. Y.**
Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
- YANG, L. C.**
Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679
Underwater seismic source
[NASA-CASE-NPO-14255-1] c 46 N79-23555
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
Method and device for detection of a substance
[NASA-CASE-NPO-14940-1] c 33 N83-31954
Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA 1.71-NPO-15494-2] c 35 N85-34373
- YANG, M. M.**
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- YANG, P. M.**
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- YARIV, A.**
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- YASUI, R. K.**
Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056
Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
- YEAGER, P. R.**
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Thermopile vacuum gas tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481
Fast scan control for deflection type mass spectrometers
[NASA-CASE-I AR-11428-1] c 35 N74-34957
- YEH, C.**
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- YEH, Y. C. M.**
Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- YEN, S. P. S.**
Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- YIN, L. I.**
Low intensity X-ray and gamma-ray imaging device
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281
- YOSHINO, S. Y.**
Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
- YOST, V. H.**
Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607

- YOST, W. T.**
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- YOUMANS, B. R.**
Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N86-20129
- YOUNG, A. L.**
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
- YOUNG, D. L.**
Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- YOUNG, D. R.**
Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- YOUNG, H.**
Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
- YOUNG, K. M.**
High voltage power supply
[NASA-CASE-GSC-12818-1] c 33 N85-29147
- YOUNG, L. R.**
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
- YOUNG, R. N.**
Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539
Electrochemical detection device
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- YOUNG, S. G.**
Method of protecting a surface with a
silicon-slurry/aluminide coating
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Silicon-slurry/aluminide coating
[NASA-CASE-LEW-13343] c 26 N83-31795
- YOUNG, W. J.**
Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
- YOUNG, W. R.**
Apparatus for measuring an aircraft's speed and
height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
- YOUNGBERG, C. L.**
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- YOUNGBLUTH, O. JR.**
Method and apparatus for mapping the sensitivity of
the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
- YOUNGHANS, J. L.**
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- YU, I. P.**
Multiple band circularly polarized microstrip antenna
[NASA-CASE-MS-18334-1] c 32 N80-32604
- Z**
- ZABOWER, H. R.**
Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
- ZAHlava, B. A.**
Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
- ZAPLATYNSKY, I.**
Method and apparatus for coating substrates using a
laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
- ZAREMBA, J. G.**
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- ZARETSKY, E. V.**
Method of improving the reliability of a rolling element
system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
- ZAVADA, E. J.**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
- ZAVESKY, RALPH J.**
Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875
- ZAVIANTSEFF, V.**
Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464
- ZEANAH, H. W.**
Filtering device
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- ZEBKER, H. A.**
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- ZEBROWSKI, Z. E.**
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
- ZEBUS, P. P.**
Adjustable securing base
[NASA-CASE-MS-19666-1] c 37 N78-17383
Variable contour securing system
[NASA-CASE-MS-16270-1] c 37 N78-27423
- ZEIGER, R. J.**
Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- ZELLNER, G. J.**
Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- ZEMAN, J. R.**
Lamp modulator
[NASA-CASE-KSC-10565] c 09 N72-25250
- ZERGER, R. S.**
Constant temperature heat sink for calorimeters
Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- ZERLAUT, G. A.**
Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
Synthesis of zinc titanate pigment and coatings
containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- ZERWEKH, P. S.**
Ultrasonic transducer with Gaussian radial pressure
distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
- ZIEMKE, M. C.**
Constant temperature heat sink for calorimeters
Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- ZIMMERMAN, B. G.**
Sun tracker with rotatable plane-parallel plate and two
photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
Passive dual spin misalignment compensators
[NASA-CASE-GSC-11479-1] c 35 N74-28097
- ZIMMERMAN, E. F.**
Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- ZIMMERMAN, J. E.**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- ZIMMERMAN, N. B.**
Ceramic-ceramic shell tile thermal protection system and
method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442
- ZIMMERMAN, P. A.**
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467
- ZIMMERMAN, R. L.**
Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
- ZIOLKOWSKI, A. J.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- ZLATKIS, A.**
Analysis of volatile organic compounds
[NASA-CASE-MS-14428-1] c 23 N77-17161
- ZMUDA, L. J.**
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
- ZMUIDZINAS, J. S.**
Stabilization of He₂(a 3 Sigma u+ molecules in liquid
helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- ZOHAR, S.**
Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
- ZOOK, H. A.**
Meteoroid capture cell construction
[NASA-CASE-MS-12423-1] c 91 N76-30131
- ZORUMSKI, W. E.**
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
Noise suppressor
[NASA-CASE-LAR-11141-1] c 07 N74-32418
- ZOTTARELLI, L. J.**
Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
Digital memory in which the driving of each word location
is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- ZOUTENDYK, J. A.**
Method of measuring field funneling and range straggling
in semiconductor charge-collecting junctions
[NASA-CASE-NPO-16584-1-CU] c 76 N86-25269
- ZRUBEK, W. E.**
System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
- ZUCCARO, J. J.**
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- ZUCKERWAR, J. J.**
Instrumentation for measurement of aircraft noise and
sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Instrumentation for measuring aircraft noise and sonic
boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
High-temperature microphone system
[NASA-CASE-LAR-12375-1] c 32 N79-24203
Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1CU] c 35 N86-32700
- ZURASKY, J. L.**
Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751
- ZWIENER, J. M.**
Real time reflectometer
[NASA-CASE-MFS-23118-1] c 35 N77-31465
- ZYGIELBAUM, A. I.**
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Numerical computer peripheral interactive device with
manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267

NASA PATENT ABSTRACTS BIBLIOGRAPHY
Section 2

Typical Source Index Listing



Listings in this index are arranged alphabetically by source. The title of the document provides the user with a brief description of the subject matter. The NASA Case Number is the prime access point to patent documents. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. The titles are arranged under each source in ascending accession number order.

A

- Adjunct Systems, Inc., Huntsville, Ala.**
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Aeroflex Labs., Inc., Plainview, N. Y.**
Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371
- Aerojet-General Corp., El Monte, Calif.**
High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
- Automatic battery charge Patent
[NASA-CASE-XNP-04758] c 03 N71-24605
- Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- Aerojet-General Corp., Glendale, Calif.**
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- Aerojet-General Corp., Sacramento, Calif.**
Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212

- Aeronautical Research Associates of Princeton, Inc., N. J.**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- Air Products and Chemicals, Inc., Philadelphia, Pa.**
Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Airborne Instruments Lab., Deer Park, N. Y.**
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
- AirResearch Mfg. Co., Torrance, Calif.**
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- Airtronics, Inc., Washington, D.C.**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- American Air Filter Co., Inc., St. Louis, Mo.**
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
- American Optical Co., Pittsburgh, Pa.**
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- American Optical Co., Southbridge, Mass.**
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- American Science and Engineering, Inc., Cambridge, Mass.**
X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Amplex Corp., Redwood City, Calif.**
Method for making conductors for ferrite memory arrays
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- Anocut Engineering Co., Chicago, Ill.**
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
- Applied Magnetics Corp., Goleta, Calif.**
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- Applied Space Products, Inc., Palo Alto, Calif.**
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
- Army Air Mobility Research and Development Lab., Hampton, Va.**
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- Army Aviation Research and Development Command, Moffett Field, Calif.**
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
- ARO, Inc., Arnold Air Force Station, Tenn.**
Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- Astro Research Corp., Carpinteria, Calif.**
Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Astro-Space Labs., Inc., Huntsville, Ala.**
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- Athens Coll., Ala.**
Apparatus and method for heating a material in a transparent ampoule
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- Atlantic Research Corp., Alexandria, Va.**
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
- Auburn Research Foundation, Inc., Ala.**
Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

- Auburn Univ., Ala.**
Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
- Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
- Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- Autonetics, Anaheim, Calif.**
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- Avco Corp., Cincinnati, Ohio.**
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
- Avco Corp., New York.**
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- Avco Corp., Wilmington, Mass.**
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834

B

- Baldwin Electronics, Inc., Little Rock, Ark.**
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Baldwin-Lima-Hamilton Corp., San Francisco, Calif.**
Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- Bali Bros. Research Corp., Boulder, Colo.**
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- Star scanner
[NASA-CASE-GSC-11569-1] c 89 N74-30886
- Barnes Engineering Co., Stamford, Conn.**
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
- Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408
- Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- Battelle Columbus Labs., Ohio.**
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- Battelle Memorial Inst., Columbus, Ohio.**
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
- Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108
- Method of making porous conductive supports for electrodes
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- Battelle Memorial Inst., Richland, Wash.**
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- Battelle Northwest Labs., Richland, Wash.**
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- Bausch and Lomb, Inc., Rochester, N. Y.**
Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
- Baylor Univ., Houston, Tex.**
EEG sample analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729

C

- Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
- Beckman Instruments, Inc., Anaheim, Calif.**
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
- Beckman Instruments, Inc., Fullerton, Calif.**
Pulse activated polarographic hydrogen detector
Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
Electronic divider and multiplier using photocells
Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same
Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
Specific wavelength colorimeter
[NASA-CASE-MSC-14081-1] c 35 N74-27860
- Beckman Instruments, Inc., South Pasadena, Calif.**
Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- Becton, Dickinson and Co., Rutherford, N.J.**
Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
- Beech Aircraft Corp., Boulder, Colo.**
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 74 N86-20126
- Bell Aerospace Co., Buffalo, N. Y.**
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- Bell Aerosystems Co., Buffalo, N. Y.**
Lunar landing flight research vehicle
Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
Flexibly connected support and skin
Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595
- Bell and Howell Co., Chicago, Ill.**
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Bellcomm, Inc., Washington, D. C.**
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
- Bendix Corp., Ann Arbor, Mich.**
Circuit breaker utilizing magnetic latching relays
Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
- Bendix Corp., Columbia, Md.**
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- Bendix Corp., Davenport, Iowa.**
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- Bendix Corp., Detroit, Mich.**
Deformable vehicle wheel
Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
- Bendix Corp., Huntsville, Ala.**
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- Bendix Corp., Kennedy Space Center, Fla.**
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-18015
- Bendix Corp., Teterboro, N.J.**
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483
- Bendix Research Labs., Southfield, Mich.**
Image tube
[NASA-CASE-GSC-11602-1] c 33 N74-21850
- Bionetics Corp., Hampton, Va.**
Small conductive particle sensor
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- Boeing Aerospace Co., Houston, Tex.**
Fluid sample collection and distribution system
[NASA-CASE-MSC-16841-1] c 34 N79-24285
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- Boeing Aerospace Co., Seattle, Wash.**
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Boeing Co., Cocoa Beach, Fla.**
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
- Variable resistance constant tension and lubrication device
[NASA-CASE-KSC-10723-1] c 37 N75-13265
- Boeing Co., Houston, Tex.**
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
- Boeing Co., Huntsville, Ala.**
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
Bore scope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- Boeing Co., Pasadena, Tex.**
Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- Boeing Co., Seattle, Wash.**
Strain gage
Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
Method of inhibiting stress corrosion cracks in titanium alloys
Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Strain sensor for high temperatures
[NASA-CASE-XNP-09205] c 14 N71-17657
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392
- Boeing Commercial Airplane Co., Seattle, Wash.**
Improved tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N80-18402
Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551
- Borden, Inc., New York, N.Y.**
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Borg-Warner Corp., Chicago, Ill.**
Data transfer system
Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- Brown and Root-Northrop, Houston, Tex.**
Anti-fog composition
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- Brown Engineering Co., Inc., Huntsville, Ala.**
Air bearing
Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
Collapsible nozzle extension for rocket engines
Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
Inspection gage for boss
Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Method of recording a gas flow pattern
Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems
Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Vapor liquid separator
Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
Thruster maintenance system
Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- California Computer Products, Inc., Anaheim.**
Temperature regulation circuit
Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
- California Inst. of Tech., Pasadena.**
Attitude control for spacecraft
Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
Crude oil desulfurization
[NASA-CASE-NPO-15452-1] c 25 N82-23282
Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
Radiative cooler
[NASA-CASE-NPO-15465-1] c 34 N84-22903
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 74 N84-23247
Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 33 N86-19516
- California Univ., Berkeley.**
Adjustable mount for a trihedral mirror
Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- California Univ., Los Angeles.**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
Continuous plasma laser
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- Catholic Univ. of America, Washington, D.C.**
Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
- Chance Vought Corp., Dallas, Tex.**
Coupling for linear shaped charge
Patent
[NASA-CASE-XLA-00189] c 33 N70-36946
Spin forming tubular elbows
Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
Single action separation mechanism
Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
- Christopher Newport Coll., Newport News, Va.**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- Chrysler Corp., Detroit, Mich.**
Ceramic insulation for radiant heating environments and method of preparing the same
Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
Constant temperature heat sink for calorimeters
Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- Chrysler Corp., Huntsville, Ala.**
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- Clemson Univ., S.C.**
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- Collins Radio Co., Cedar Rapids, Iowa.**
Power responsive overload sensing circuit
Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467

CORPORATE SOURCE

Collins Radio Co., Dallas, Tex.
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241

Colorado State Univ., Fort Collins.
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148

Comprehensive Designers, Inc., Sherman Oaks, Calif.
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238

Computer Control Co., Inc., Framingham, Mass.
Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137

Computer Sciences Corp., Falls Church, Va.
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

Computer Sciences Corp., Greenbelt, Md.
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279

Computer Sciences Corp., Mountain View, Calif.
Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288

Conrac Corp., Pasadena, Calif.
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

Consolidated Controls Corp., El Segundo, Calif.
Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357

Cornell Univ., Ithaca, N.Y.
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123

Crane Co., Burbank, Calif.
Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028

Curtis-Wright Corp., Wood-Ridge, N.J.
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330

Cutler-Hammer, Inc., Melville, N.Y.
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

D

Delaware Univ., Newark.
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088

Denver Univ., Colo.
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460

Department of Transportation, Cambridge, Mass.
Optical noise suppression device and method
[NASA-CASE-MSC-12640-1] c 74 N76-31998

Dorne and Margolin, Inc., Bohemia, N.Y.
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

Douglas Aircraft Co., Inc., Santa Monica, Calif.
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152

Duke Univ., Durham, N.C.
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049

Dumont Electron Tubes, Clifton, N.J.
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206

Dynatherm Corp., Cockeysville, Md.
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307

E

Echo Science Corp., Mountain View, Calif.
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265

Eitel-McCullough, Inc., San Carlos, Calif.
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312

Electrac, Inc., Anaheim, Calif.
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098

Electric Storage Battery Co., Raleigh, N.C.
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693

Electric Storage Battery Co., Yardley, Pa.
Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032

Electro-Optical Systems, Inc., Pasadena, Calif.
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483

Electro-Optics Consultants, Inc., Huntsville, Ala.
Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639

Electronic Image Systems Corp., Cambridge, Mass.
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489

Essex Corp., Huntville, Ala.
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

Ewen Knight Corp., East Natick, Mass.
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774

F

Fairchild Hiller Corp., Germantown, Md.
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829

Fairchild Republic Co., Farmingdale, N.Y.
Surface conforming thermal/pressure seal
[NASA-CASE-MSC-18422-1] c 37 N82-16408

Faraday Labs., Inc., La Jolla, Calif.
Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260

Federal-Mogul Corp., Los Alamitos, Calif.
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975

Florida Univ., Gainesville.
Safety flywheel
[NASA-CASE-HQN-10888-1] c 44 N79-14527

FMC Corp., New York.
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

General Electric Co., Cincinnati, Ohio.

Foothill Coll., Los Altos Hills, Calif.
Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339

Ford Motor Co., Dearborn, Mich.
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265

G

Garrett Corp., Los Angeles, Calif.
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

Garrett Corp., Torrance, Calif.
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953

GCA Corp., Bedford, Mass.
Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461

General Dynamics/Astronautics, San Diego, Calif.
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830

General Dynamics/Convair, San Diego, Calif.
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463

General Dynamics Corp., San Diego, Calif.
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181

General Electric Co., Cincinnati, Ohio.
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055

Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056

Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384

Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089

Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101

Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403

Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097

Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871

Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039

Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116

Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293

Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603

Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029

Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560

Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410

Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195

Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389

General Electric Co., Cleveland, Ohio.

Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

General Electric Co., Philadelphia, Pa.

Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922

Didymium hydrate additive to nickel hydroxide electrodes
[NASA-CASE-XGS-03505] c 03 N71-10608

Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers
[NASA-CASE-XGS-02011] c 15 N71-20739

Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098

Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122

Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114

Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137

Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392

Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

Electrophoretic sample insertion
[NASA-CASE-MFS-21395-1] c 25 N74-26948

Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759

Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804

Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753

Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

General Electric Co., Pleasanton, Calif.

Method of making a cermet
[NASA-CASE-LEW-10219-1] c 18 N71-28729

General Electric Co., Schenectady, N.Y.

Superconductive accelerometer
[NASA-CASE-XMF-01099] c 14 N71-15969

Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460

Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279

General Electric Co., Utica, N.Y.

Method of determining bond quality of power transistors attached to substrates
[NASA-CASE-MFS-21931-1] c 37 N75-26372

General Motors Corp., Detroit, Mich.

Hermetic sealed vibration damper
[NASA-CASE-MSC-10959] c 15 N71-26243

General Motors Corp., Milwaukee, Wis.

Adjustable tension wire guide
[NASA-CASE-XMS-02383] c 15 N71-15918

General Motors Corp., Santa Barbara, Calif.

Resilient wheel
[NASA-CASE-MFS-13929] c 15 N71-27091

General Precision, Inc., Little Falls, N.J.

Reversible current control apparatus
[NASA-CASE-XLA-09371] c 10 N71-18724

General Precision, Inc., Sunnyvale, Calif.

Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156

General Precision Systems, Inc., Little Falls, N.J.

Fluidic-thermochromic display device
[NASA-CASE-ERC-10031] c 12 N71-18603

General Research Corp., Santa Barbara, Calif.

Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479

General Technologies Corp., Reston, Va.

Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

Geophysics Corp. of America, Bedford, Mass.

Inflation system for balloon type satellites
[NASA-CASE-XGS-03351] c 31 N71-16081

Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450

Geophysics Corp. of America, Boston, Mass.

Ionospheric battery
[NASA-CASE-XGS-01593] c 03 N70-35408

George Washington Univ., Washington, D.C.

Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435

Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566

Giannini Scientific Corp., Santa Ana, Calif.

Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318

Combination automatic-starting electrical plasma torch and gas shutoff valve
[NASA-CASE-XLE-10717] c 37 N75-29426

Giner, Inc., Waltham, Mass.

Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487

Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524

Globe-Union, Inc., Milwaukee, Wis.

Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037

Goodyear Aerospace Corp., Akron, Ohio.

Foldable solar concentrator
[NASA-CASE-XLA-04622] c 03 N70-41580

Method of making a filament-wound container
[NASA-CASE-XLE-03803-2] c 15 N71-17651

Filament wound container
[NASA-CASE-XLE-03603] c 15 N71-23816

Panelized high performance multilayer insulation
[NASA-CASE-MFS-14023] c 33 N71-25351

Thermally activated foaming compositions
[NASA-CASE-LAR-10373-1] c 18 N71-26155

Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323

Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540

Grace (W. R.) and Co., Clarksville, Md.

Metal containing polymers from cyclic tetrameric phenylphosphonitriamides
[NASA-CASE-HON-10364] c 06 N71-27363

Grumman Aerospace Corp., Bethpage, N.Y.

Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N86-20721

Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N86-27593

Grumman Aircraft Engineering Corp., Bethpage, N.Y.

Sealed cabinetry
[NASA-CASE-MSC-12168-1] c 09 N71-18600

Out of tolerance warning alarm system for plurality of monitored circuits
[NASA-CASE-XMS-10984-1] c 10 N71-19417

Gulf General Atomic, San Diego, Calif.

Waveform simulator
[NASA-CASE-NPO-10251] c 10 N71-27365

Gulton Industries, Inc., Albuquerque, N.Mex.

Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163

H

Hamilton Standard, Windsor Locks, Conn.

Venting device for pressurized space suit helmet
[NASA-CASE-XMS-09652-1] c 05 N71-26333

Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722

Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280

Slow opening valve
[NASA-CASE-MSC-20112-1] c 37 N85-20338

Hamilton Standard Div., United Aircraft Corp., Windsor Locks, Conn.

Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139

Harrie Corp., Melbourne, Fla.

Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

Telescoping columns
[NASA-CASE-LAR-12195-1] c 31 N81-27324

Hayes International Corp., Birmingham, Ala.

Space craft soft landing system
[NASA-CASE-XMF-02108] c 31 N70-36845

Device for preventing high voltage arcing in electron beam welding
[NASA-CASE-XMF-08522] c 15 N71-19486

Hayes International Corp., Huntsville, Ala.

Method and apparatus for cryogenic wire stripping
[NASA-CASE-MFS-10340] c 15 N71-17628

Self-balancing strain gage transducer
[NASA-CASE-MFS-12827] c 14 N71-17656

Automatic closed circuit television arc guidance control
[NASA-CASE-MFS-13046] c 07 N71-19433

Hazleton Labs., Falls Church, Va.

Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487

Light detection instrument
[NASA-CASE-XGS-05534] c 23 N71-16355

Lyophilized reaction mixtures
[NASA-CASE-XGS-05532] c 06 N71-17705

Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465

HC Chem Research and Service, San Jose, Calif.

High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590

Hercules, Inc., Wilmington, Del.

Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001

Hoffman Electronics Corp., El Monte, Calif.

Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267

Honeywell, Inc., Hopkins, Minn.

Frequency control network for a current feedback oscillator
[NASA-CASE-GSC-10041-1] c 10 N71-19418

Honeywell, Inc., Minneapolis, Minn.

Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987

Apparatus for overcurrent protection of a push-pull amplifier
[NASA-CASE-MSC-12033-1] c 09 N71-13531

Static inverter
[NASA-CASE-XGS-05289] c 09 N71-19470

High impedance measuring apparatus
[NASA-CASE-XMS-08589-1] c 09 N71-20569

Clamping assembly for inertial components
[NASA-CASE-XMS-02184] c 15 N71-20813

Piezoelectric pump
[NASA-CASE-XNP-05429] c 26 N71-21824

Controllers
[NASA-CASE-XMS-07487] c 15 N71-23255

Convoluting device for forming convolutions and the like
[NASA-CASE-XNP-05297] c 15 N71-23811

Failure sensing and protection circuit for converter networks
[NASA-CASE-GSC-10114-1] c 10 N71-27366

Voice operated controller
[NASA-CASE-XLA-04063] c 31 N71-33160

Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249

Radiant source tracker independent of nonconstant irradiance
[NASA-CASE-NPO-11686] c 14 N73-25462

Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095

Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482

Honeywell, Inc., St. Petersburg, Fla.

Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013

Houston Univ., Tex.

Analysis of volatile organic compounds
[NASA-CASE-MSC-14428-1] c 23 N77-17161

Howard Univ., Washington, D. C.

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546

GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150

Hughes Aircraft Co., Culver City, Calif.

Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324

Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407

Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203

Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578

Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771

Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396

Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518

Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966

Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967

Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750

Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046

Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081

Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184

Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809

Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810

High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850

Apparatus for changing the orientation and velocity of a spinning body traversing a path Patent
[NASA-CASE-HQN-00936] c 31 N71-29050

Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137

Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N85-20249

Hughes Aircraft Co., Los Angeles, Calif.

Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888

Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847

Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922

Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034

Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516

Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537

Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661

A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723

Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469

High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516

Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687

System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583

Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881

Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142

Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579

Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726

Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773

Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148

Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127

Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406

High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11553-1] c 74 N74-21304

Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340

System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826

Hughes Research Labs., Malibu, Calif.

Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

IIT Research Inst., Chicago, Ill.

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124

Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772

Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532

Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461

Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

ILC Technology, Inc., Sunnyvale, Calif.

Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427

Illinois Univ., Urbana.

Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431

Image Information, Inc., Danbury, Conn.

Recorder/processor apparatus
[NASA-CASE-GSC-11553-1] c 35 N74-15831

Inca Engineering Corp., San Gabriel, Calif.

Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730

Institute for Research, Inc., Houston, Tex.

Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120

Institute of Research and Instrumentation, Houston, Tex.

Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346

International Business Machines Corp., Hopewell Junction, N. Y.

Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798

International Business Machines Corp., New York.

Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809

Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135

International Business Machines Corp., Poughkeepsie, N.Y.

Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245

International Harvester Co., San Diego, Calif.

Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040

International Laser Systems, Inc., Orlando, Fla.

Active lamp pulse driver circuit
[NASA-CASE-GSC-12566-1] c 33 N83-34189

Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509

International Latex Corp., Dover, Del.

Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

Isomet Corp., Palisades Park, N.J.

Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750

ITT Corp., Nutley, N.J.

Time division ratio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773

Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473

Satellite interface synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149

J**James and Associates, Lancaster, Calif.**

System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

Jet Propulsion Lab., California Inst. of Tech., Pasadena.

Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541

Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923

Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928

Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929

Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190

Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319

Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333

Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500

Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244

Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736

Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895

Bimetallic power controlled actuator [NASA-CASE-XNP-09776]	c 09	N69-39929	Zero gravity starting means for liquid propellant motors Patent			High temperature lens construction Patent [NASA-CASE-XNP-04111]	c 14	N71-15622
Piping arrangement through a double chamber structure [NASA-CASE-XNP-08882]	c 15	N69-39935	[NASA-CASE-XNP-01390]	c 28	N70-41275	Solder flux which leaves corrosion-resistant coating Patent		
Micropacked column for a chromatographic system [NASA-CASE-XNP-04816]	c 06	N69-39936	Parallel motion suspension device Patent [NASA-CASE-XNP-01567]	c 15	N70-41310	[NASA-CASE-XNP-03459-2]	c 18	N71-15688
Temperature sensitive capacitor device [NASA-CASE-XNP-09750]	c 14	N69-39937	Ignition means for monopropellant [NASA-CASE-XNP-00876]	c 28	N70-41311	Intermittent type silica gel adsorption refrigerator Patent		
Thermionic tantalum emitter doped with oxygen Patent Application [NASA-CASE-NPO-11138]	c 03	N70-34646	Reinforcing means for diaphragms [NASA-CASE-XNP-01962]	c 32	N70-41370	[NASA-CASE-XNP-00920]	c 15	N71-15906
Data handling system based on source significance, storage availability and data received from the source Patent Application [NASA-CASE-XNP-04162-1]	c 08	N70-34675	High pressure filter Patent [NASA-CASE-XNP-00732]	c 28	N70-41447	Dual mode horn antenna Patent [NASA-CASE-XNP-01057]	c 07	N71-15907
Electro-optical scanning apparatus Patent Application [NASA-CASE-NPO-11106]	c 14	N70-34697	Phase-locked loop with sideband rejecting properties Patent [NASA-CASE-XNP-02723]	c 07	N70-41680	Means for controlling rupture of shock tube diaphragms Patent [NASA-CASE-XAC-00731]	c 11	N71-15960
Liquid junction and method of fabricating the same Patent Application [NASA-CASE-NPO-10682]	c 15	N70-34699	Digital television camera control system Patent [NASA-CASE-XNP-01472]	c 14	N70-41807	Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent [NASA-CASE-XNP-01193]	c 10	N71-16057
Helium refining by superfluidity Patent [NASA-CASE-XNP-00733]	c 06	N70-34946	Antiflutter ball check valve Patent [NASA-CASE-XNP-01152]	c 15	N70-41811	Polarimeter for transient measurement Patent [NASA-CASE-XNP-08883]	c 23	N71-16101
Means and methods of depositing thin films on substrates Patent [NASA-CASE-XNP-00595]	c 15	N70-34967	Roll attitude star sensor system Patent [NASA-CASE-XNP-01307]	c 21	N70-41856	Flexible composite membrane Patent [NASA-CASE-XNP-08837]	c 18	N71-16210
Photosensitive device to detect bearing deviation Patent [NASA-CASE-XNP-00438]	c 21	N70-35089	Process for preparing sterile solid propellants Patent [NASA-CASE-XNP-01749]	c 27	N70-41897	Mount for thermal control system Patent [NASA-CASE-NPO-10138]	c 33	N71-16357
Antenna beam-shaping apparatus Patent [NASA-CASE-XNP-00611]	c 09	N70-35219	Solenoid construction Patent [NASA-CASE-XNP-01951]	c 09	N70-41929	Optical characteristics measuring apparatus Patent [NASA-CASE-NPO-08840]	c 23	N71-16365
Temperature-compensating means for cavity resonator of amplifier Patent [NASA-CASE-XNP-00449]	c 14	N70-35220	Closed loop ranging system Patent [NASA-CASE-XNP-01501]	c 21	N70-41930	Parallel plate viscometer Patent [NASA-CASE-XNP-09462]	c 14	N71-17584
Parabolic reflector horn feed with spillover correction Patent [NASA-CASE-XNP-00540]	c 09	N70-35382	Printed circuit board with bellows rivet connection Patent [NASA-CASE-XNP-05082]	c 15	N70-41960	Means and method of measuring viscoelastic strain Patent [NASA-CASE-XNP-01153]	c 32	N71-17645
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent [NASA-CASE-XNP-00708]	c 14	N70-35394	Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent [NASA-CASE-XNP-00911]	c 08	N70-41961	Interferometer direction sensor Patent [NASA-CASE-NPO-10320]	c 14	N71-17655
Space vehicle attitude control Patent [NASA-CASE-XNP-00465]	c 21	N70-35395	Baseline stabilization system for ionization detector Patent [NASA-CASE-XNP-03128]	c 10	N70-41991	Interferometer servo system Patent [NASA-CASE-NPO-10300]	c 14	N71-17662
Binary to binary-coded-decimal converter Patent [NASA-CASE-XNP-00432]	c 08	N70-35423	Single or joint amplitude distribution analyzer Patent [NASA-CASE-XNP-01383]	c 09	N71-10659	Electrical spot terminal assembly Patent [NASA-CASE-NPO-10034]	c 15	N71-17685
Cassegrainian antenna subreflector flange for suppressing ground noise Patent [NASA-CASE-XNP-00683]	c 09	N70-35425	Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent [NASA-CASE-XNP-03134]	c 07	N71-10676	Sealed separable connection Patent [NASA-CASE-NPO-10064]	c 15	N71-17693
Ionization vacuum gauge Patent [NASA-CASE-XNP-00646]	c 14	N70-35666	Method for determining the state of charge of batteries by the use of tracers Patent [NASA-CASE-XNP-01464]	c 03	N71-10728	Incremental motion drive system Patent [NASA-CASE-XNP-08897]	c 15	N71-17694
Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent [NASA-CASE-XNP-00644]	c 03	N70-36803	High pressure regulator valve Patent [NASA-CASE-XNP-00710]	c 15	N71-10778	Microbalance including crystal oscillators for measuring contaminants in a gas system Patent [NASA-CASE-NPO-10144]	c 14	N71-17701
Mechanical coordinate converter Patent [NASA-CASE-XNP-00614]	c 14	N70-36907	Solar battery with interconnecting means for plural cells Patent [NASA-CASE-XNP-06506]	c 03	N71-11050	Apparatus and method for protecting a photographic device Patent [NASA-CASE-NPO-10174]	c 14	N71-18465
High pressure four-way valve Patent [NASA-CASE-XNP-00214]	c 15	N70-36908	Sealed battery gas manifold construction Patent [NASA-CASE-XNP-03378]	c 03	N71-11051	Ranging system Patent [NASA-CASE-NPO-10066]	c 09	N71-18598
Liquid rocket system Patent [NASA-CASE-XNP-00610]	c 28	N70-36910	Solar cell submodule Patent [NASA-CASE-XNP-05821]	c 03	N71-11056	High impact pressure regulator Patent [NASA-CASE-NPO-10175]	c 14	N71-18625
Radar ranging receiver Patent [NASA-CASE-XNP-00748]	c 07	N70-36911	Reflectometer for receiver input impedance match measurement Patent [NASA-CASE-XNP-10843]	c 07	N71-11267	Magnetic core current steering commutator Patent [NASA-CASE-NPO-10201]	c 08	N71-18694
Attitude control for spacecraft Patent [NASA-CASE-XNP-00294]	c 21	N70-36938	Means for generating a sync signal in an FM communication system Patent [NASA-CASE-XNP-10830]	c 07	N71-11281	Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent [NASA-CASE-NPO-10373]	c 03	N71-18698
Elastic universal joint Patent [NASA-CASE-XNP-00416]	c 15	N70-36947	Multi-feed cone Cassegrain antenna Patent [NASA-CASE-NPO-10539]	c 07	N71-11285	A dc-coupled noninverting one-shot Patent [NASA-CASE-XNP-09450]	c 10	N71-18723
Apparatus and method for control of a solid fueled rocket vehicle Patent [NASA-CASE-XNP-00217]	c 28	N70-38181	Thermionic diode switch Patent [NASA-CASE-NPO-10404]	c 03	N71-12255	Automatic fault correction system for parallel signal channels Patent [NASA-CASE-XNP-03263]	c 09	N71-18843
Expulsion bladder-equipped storage tank structure Patent [NASA-CASE-XNP-00612]	c 11	N70-36162	Anti-backlash circuit for hydraulic drive system Patent [NASA-CASE-XNP-01020]	c 03	N71-12260	Data compression processor Patent [NASA-CASE-NPO-10068]	c 08	N71-19288
High-voltage cable Patent [NASA-CASE-XNP-00738]	c 09	N70-38201	Binary number sorter Patent [NASA-CASE-NPO-10112]	c 08	N71-12502	Tape guidance system and apparatus for the provision thereof Patent [NASA-CASE-XNP-09453]	c 08	N71-19420
Umbilical separator for rockets Patent [NASA-CASE-XNP-00425]	c 11	N70-38202	Linear three-tap feedback shift register Patent [NASA-CASE-NPO-10351]	c 08	N71-12503	High voltage transistor circuit Patent [NASA-CASE-XNP-06937]	c 09	N71-19516
Multiple Belleville spring assembly Patent [NASA-CASE-XNP-00840]	c 15	N70-38225	Binary sequence detector Patent [NASA-CASE-XNP-05415]	c 08	N71-12505	Solar cell matrix Patent [NASA-CASE-NPO-10821]	c 03	N71-19545
Ignition system for monopropellant combustion devices Patent [NASA-CASE-XNP-00249]	c 28	N70-38249	Data compression system with a minimum time delay unit Patent [NASA-CASE-XNP-08832]	c 08	N71-12506	Electrical switching device Patent [NASA-CASE-NPO-10037]	c 09	N71-19610
Pressure regulating system Patent [NASA-CASE-XNP-00450]	c 15	N70-38603	Magnetic counter Patent [NASA-CASE-XNP-08836]	c 09	N71-12515	Drift compensation circuit for analog to digital converter Patent [NASA-CASE-XNP-04780]	c 08	N71-19687
Slit regulated gas journal bearing Patent [NASA-CASE-XNP-00476]	c 15	N70-38620	Operational integrator Patent [NASA-CASE-NPO-10230]	c 09	N71-12520	Roll-up solar array Patent [NASA-CASE-NPO-10188]	c 03	N71-20273
Steerable solid propellant rocket motor Patent [NASA-CASE-XNP-00234]	c 28	N70-38645	Starting circuit for vapor lamps and the like Patent [NASA-CASE-XNP-01058]	c 09	N71-12540	Method and device for determining battery state of charge Patent [NASA-CASE-NPO-10194]	c 03	N71-20407
Space simulator Patent [NASA-CASE-XNP-00459]	c 11	N70-38675	Matched thermistors for microwave power meters Patent [NASA-CASE-NPO-10348]	c 10	N71-12554	Soil particles separator, collector and viewer Patent [NASA-CASE-XNP-09770]	c 15	N71-20440
Ejection unit Patent [NASA-CASE-XNP-00676]	c 15	N70-38996	Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent [NASA-CASE-XNP-00384]	c 09	N71-13530	Transmission line thermal short Patent [NASA-CASE-XNP-09775]	c 09	N71-20445
Time-division multiplexer Patent [NASA-CASE-XNP-00431]	c 09	N70-38998	Automatic thermal switch Patent [NASA-CASE-XNP-03796]	c 23	N71-15467	Synchronous servo loop control system Patent [NASA-CASE-XNP-03744]	c 10	N71-20448
Trajectory-correction propulsion system Patent [NASA-CASE-XNP-01104]	c 28	N70-39931	Photoelectric energy spectrometer Patent [NASA-CASE-XNP-04161]	c 14	N71-15599	Processing for producing a sterilized instrument Patent [NASA-CASE-XNP-09763]	c 14	N71-20461
Electrically-operated rotary shutter Patent [NASA-CASE-XNP-00637]	c 14	N70-40273	Anti-glare improvement for optical imaging systems Patent [NASA-CASE-NPO-10337]	c 14	N71-15604	Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent [NASA-CASE-XNP-05254]	c 07	N71-20791
			Fluid flow restrictor Patent [NASA-CASE-NPO-10117]	c 15	N71-15608	Elimination of frequency shift in a multiplex communication system Patent [NASA-CASE-XNP-01306]	c 07	N71-20814
						High power-high voltage workload Patent [NASA-CASE-XNP-05381]	c 09	N71-20842

Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851

Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078

Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091

Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311

Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476

Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489

Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821

Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707

Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749

Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897

Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995

Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997

Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024

Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025

Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026

Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030

Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033

Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040

Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041

Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087

Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097

Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099

Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225

Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226

Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295

Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499

Dicyanooacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500

Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548

Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723

Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596

Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607

Digital synchronizer Patent
[NASA-CASE-XNP-10851] c 07 N71-24613

Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-XNP-10388] c 07 N71-24622

Self-testing and repairing computer Patent
[NASA-CASE-XNP-10567] c 08 N71-24633

Serial digital decoder Patent
[NASA-CASE-XNP-10150] c 08 N71-24650

Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695

Reversible motion drive system Patent
[NASA-CASE-XNP-10173] c 15 N71-24696

Decoder system Patent
[NASA-CASE-XNP-10118] c 07 N71-24741

Television signal processing system Patent
[NASA-CASE-XNP-10140] c 07 N71-24742

Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799

Magnetic power switch Patent
[NASA-CASE-XNP-10242] c 09 N71-24803

Remodulator filter Patent
[NASA-CASE-XNP-10198] c 09 N71-24806

Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808

Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809

High-gain, broadband traveling wave maser Patent
[NASA-CASE-XNP-10548] c 16 N71-24831

Fluid containers and resealable septum therefor Patent
[NASA-CASE-XNP-10123] c 15 N71-24835

Temperature telemetric transmitter Patent
[NASA-CASE-XNP-10649] c 07 N71-24840

Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841

Noise limiter Patent
[NASA-CASE-XNP-10169] c 10 N71-24844

Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891

Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-XNP-10716] c 09 N71-24892

Space simulator Patent
[NASA-CASE-XNP-10141] c 11 N71-24964

Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555

Minimal logic block encoder Patent
[NASA-CASE-XNP-10595] c 10 N71-25917

Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-XNP-10596] c 06 N71-25929

Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000

Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092

High impact antenna Patent
[NASA-CASE-XNP-10231] c 07 N71-26101

Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102

Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103

Phase multiplying electronic scanning system Patent
[NASA-CASE-XNP-10302] c 10 N71-26142

Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-XNP-10625] c 09 N71-26182

Fluid phase analyzer Patent
[NASA-CASE-XNP-10691] c 14 N71-26199

Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-XNP-10143] c 10 N71-26326

Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331

Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-XNP-10003] c 10 N71-26415

Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434

Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475

Analog signal integration and reconstruction system Patent
[NASA-CASE-XNP-10344] c 10 N71-26544

Rapid sync acquisition system Patent
[NASA-CASE-XNP-10214] c 10 N71-26577

Cryogenic cooling system Patent
[NASA-CASE-XNP-10467] c 23 N71-26654

Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-XNP-10331] c 09 N71-26701

Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

Pressure seal Patent
[NASA-CASE-XNP-10796] c 15 N71-27068

Multiducted electromagnetic pump Patent
[NASA-CASE-XNP-10755] c 15 N71-27084

Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-XNP-10556] c 14 N71-27185

Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-XNP-10607] c 09 N71-27232

Black body cavity radiometer Patent
[NASA-CASE-XNP-10810] c 14 N71-27323

Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-XNP-10343] c 07 N71-27341

Force-balanced, throttle valve Patent
[NASA-CASE-XNP-10808] c 15 N71-27432

Cavity emitter for thermionic converter Patent
[NASA-CASE-XNP-10412] c 09 N71-28421

Frictionless universal joint Patent
[NASA-CASE-XNP-10646] c 15 N71-28467

Epoxy-aziridine polymer product Patent
[NASA-CASE-XNP-10701] c 06 N71-28620

Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747

Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779

Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925

Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-XNP-11088] c 08 N71-29034

Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-XNP-11087] c 23 N71-29125

Rotable accurate reflector system for telescopes Patent
[NASA-CASE-XNP-10468] c 23 N71-33229

Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-XNP-10342] c 10 N71-33407

High power microwave power divider Patent
[NASA-CASE-XNP-11031] c 07 N71-33606

A dc servosystem including an ac motor Patent
[NASA-CASE-XNP-10700] c 07 N71-33613

Solar cell matrix Patent
[NASA-CASE-XNP-11190] c 03 N71-34044

Manually actuated heat pump Patent
[NASA-CASE-XNP-10677] c 05 N71-34084

Virtual wall slot circularly polarized planar array antenna Patent
[NASA-CASE-XNP-10301] c 07 N71-34118

System for controlling the operation of a variable signal device Patent
[NASA-CASE-XNP-11064] c 07 N71-34150

Method and apparatus for data compression by a decreasing slope threshold test Patent
[NASA-CASE-XNP-10769] c 08 N71-34171

Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test Patent
[NASA-CASE-XNP-10778] c 14 N71-34186

Vibration isolation system using compression springs Patent
[NASA-CASE-XNP-10102] c 15 N71-34191

Feed system for an ion thruster Patent
[NASA-CASE-XNP-10737] c 28 N71-34199

Thermostatic actuator Patent
[NASA-CASE-XNP-10637] c 15 N71-34209

High voltage transistor amplifier with constant current load Patent
[NASA-CASE-XNP-11023] c 09 N71-34215

Reference voltage switching unit Patent
[NASA-CASE-XNP-11253] c 09 N71-34217

Valving device for automatic refilling in cryogenic liquid systems Patent
[NASA-CASE-XNP-11177] c 15 N71-34253

Expandable support means Patent
[NASA-CASE-XNP-11059] c 15 N71-34254

Breakaway connector Patent
[NASA-CASE-XNP-11140] c 15 N71-34255

Modular encoder Patent
[NASA-CASE-XNP-10629] c 08 N71-34284

Transition tracking bit synchronization system Patent
[NASA-CASE-XNP-10844] c 07 N71-34284

Data compression system Patent
[NASA-CASE-XNP-11243] c 07 N71-34284

Digital quasi-exponential function generator Patent
[NASA-CASE-XNP-11130] c 08 N71-34284

Method and apparatus for high resolution spectral analysis Patent
[NASA-CASE-XNP-10748] c 08 N71-34284

Flow rate switch Patent
[NASA-CASE-XNP-10722] c 09 N71-34284

Electrical connector Patent
[NASA-CASE-XNP-10694] c 09 N71-34284

Wide band doubler and sine wave quadrature generator Patent
[NASA-CASE-XNP-11133] c 10 N71-34284

Signal phase estimator Patent
[NASA-CASE-XNP-11203] c 10 N71-34284

Optimal control system for an electric motor driven vehicle Patent
[NASA-CASE-XNP-11210] c 11 N71-34284

Impact energy absorbing system utilizing fractureable material Patent
[NASA-CASE-XNP-10671] c 15 N71-34284

Torsional disconnect unit Patent
[NASA-CASE-XNP-10704] c 15 N71-34284

Solid propellant rocket motor [NASA-CASE-NXP-03282]	c 28	N72-20758	Maser for frequencies in the 7-20 GHz range [NASA-CASE-NPO-11437]	c 16	N72-28521	Low phase noise digital frequency divider [NASA-CASE-NPO-11569]	c 10	N73-26229
Shell side liquid metal boiler [NASA-CASE-NPO-10831]	c 33	N72-20915	Thin film temperature sensor and method of making same [NASA-CASE-NPO-11775]	c 26	N72-28761	Vehicle for use in planetary exploration [NASA-CASE-NPO-11366]	c 11	N73-26238
Method and apparatus for mapping planets [NASA-CASE-NPO-11001]	c 07	N72-21118	Circularly polarized antenna [NASA-CASE-ERC-10214]	c 09	N72-31235	Temperature control system with a pulse width modulated bridge [NASA-CASE-NPO-11304]	c 14	N73-26430
Current steering commutator [NASA-CASE-NPO-10743]	c 08	N72-21199	Singly-curved reflector for use in high-gain antennas [NASA-CASE-NPO-11361]	c 07	N72-32169	Disconnect unit [NASA-CASE-NPO-11330]	c 33	N73-26958
Automated equipotential plotter [NASA-CASE-NPO-11134]	c 09	N72-21246	Digital slope threshold data compressor [NASA-CASE-NPO-11630]	c 08	N72-33172	Filter for third order phase locked loops [NASA-CASE-NPO-11941-1]	c 10	N73-27171
Pressure transducer [NASA-CASE-NPO-10832]	c 14	N72-21405	Continuously variable voltage controlled phase shifter [NASA-CASE-NPO-11129]	c 09	N72-33204	Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier [NASA-CASE-NPO-11593-1]	c 07	N73-28012
Positioning mechanism [NASA-CASE-NPO-10679]	c 15	N72-21462	Pseudonoise sequence generators with three tap linear feedback shift registers [NASA-CASE-NPO-11406]	c 08	N73-12175	Analog-to-digital converter [NASA-CASE-NXP-00477]	c 08	N73-28045
Solid state matrices [NASA-CASE-NPO-10591]	c 03	N72-22041	Versatile arithmetic unit for high speed sequential decoder [NASA-CASE-NPO-11371]	c 08	N73-12177	Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator [NASA-CASE-NXP-03623]	c 09	N73-28084
Solar cell panels with light transmitting plate [NASA-CASE-NPO-10747]	c 03	N72-22042	Dual frequency microwave reflex feed [NASA-CASE-NPO-13091-1]	c 09	N73-12214	Apparatus and method for measuring the Seebeck coefficient and resistivity of materials [NASA-CASE-NPO-11749]	c 14	N73-28486
Data multiplexer using tree switching configuration [NASA-CASE-NPO-11333]	c 08	N72-22162	Audio system with means for reducing noise effects [NASA-CASE-NPO-11631]	c 10	N73-12244	Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer [NASA-CASE-NXP-05231]	c 14	N73-28491
System for quantizing graphic displays [NASA-CASE-NPO-10745]	c 08	N72-22164	Interferometer-polarimeter [NASA-CASE-NPO-11239]	c 14	N73-12446	Continuous magnetic flux pump [NASA-CASE-NXP-01187]	c 15	N73-28516
Digital function generator [NASA-CASE-NPO-11104]	c 08	N72-22165	Irradiance measuring device [NASA-CASE-NPO-11493]	c 14	N73-12447	Preparation of alkali metal dispersions [NASA-CASE-NXP-08876]	c 17	N73-28573
Analog-to-digital converter analyzing system [NASA-CASE-NPO-10560]	c 08	N72-22166	Program for computer aided reliability estimation [NASA-CASE-NPO-13086-1]	c 15	N73-12495	Superconductive magnetic-field-trapping device [NASA-CASE-NXP-01185]	c 26	N73-28710
Feedback shift register with states decomposed into cycles of equal length [NASA-CASE-NPO-11082]	c 08	N72-22167	Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system [NASA-CASE-NPO-11302-1]	c 07	N73-13149	Automatic carrier acquisition system [NASA-CASE-NPO-11628-1]	c 07	N73-30113
Self-obturbating, gas operated launcher [NASA-CASE-NPO-11013]	c 11	N72-22247	Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards [NASA-CASE-NPO-11418-1]	c 14	N73-13420	Ferrofluidic solenoid [NASA-CASE-NPO-11738-1]	c 09	N73-30185
Optical binocular scanning apparatus [NASA-CASE-NPO-11002]	c 14	N72-22441	Gas flow control device [NASA-CASE-NPO-11479]	c 15	N73-13462	Silent emergency alarm system for schools and the like [NASA-CASE-NPO-11307-1]	c 10	N73-30205
Ionene membrane separator [NASA-CASE-NPO-11091]	c 18	N72-22567	Electrolytic gas operated actuator [NASA-CASE-NPO-11369]	c 15	N73-13467	RF-source resistance meters [NASA-CASE-NPO-11291-1]	c 14	N73-30388
Deployable solar cell array [NASA-CASE-NPO-10883]	c 31	N72-22874	Dual purpose momentum wheels for spacecraft with magnetic recording [NASA-CASE-NPO-11481]	c 21	N73-13644	Event sequence detector [NASA-CASE-NPO-11703-1]	c 10	N73-32144
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation [NASA-CASE-NPO-11388]	c 03	N72-23048	Multiple reflection conical microwave antenna [NASA-CASE-NPO-11661]	c 07	N73-14130	Soil penetrometer [NASA-CASE-NXP-05530]	c 14	N73-32321
Optical frequency waveguide and transmission system [NASA-CASE-HQN-10541-3]	c 23	N72-23695	Cyclically operable optical shutter [NASA-CASE-NPO-10758]	c 14	N73-14427	Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions [NASA-CASE-NXP-04231]	c 14	N73-32325
Bipropellant injector [NASA-CASE-NXP-09461]	c 28	N72-23809	Heat detection and compositions and devices therefor [NASA-CASE-NPO-10764-1]	c 14	N73-14428	Magnetic-flux pump [NASA-CASE-NXP-01188]	c 15	N73-32361
Solid propellant rocket motor nozzle [NASA-CASE-NPO-11458]	c 28	N72-23810	Parallel-plate viscometer with double diaphragm suspension [NASA-CASE-NPO-11387]	c 14	N73-14429	Burrowing apparatus [NASA-CASE-NXP-07169]	c 15	N73-32362
Analysis of hydrogen-deuterium mixtures [NASA-CASE-NPO-11322]	c 06	N72-25146	Rotary actuator [NASA-CASE-NPO-10680]	c 31	N73-14855	Electrostatically controlled heat shutter [NASA-CASE-NPO-11942-1]	c 33	N73-32818
Flexible computer accessed telemetry [NASA-CASE-NPO-11358]	c 07	N72-25172	Magnetically actuated tuning method for Gunn oscillators [NASA-CASE-NPO-12106]	c 09	N73-15235	Method and apparatus for a single channel digital communications system [NASA-CASE-NPO-11302-2]	c 32	N74-10132
Multi-purpose antenna employing dish reflector with plural coaxial horn feeds [NASA-CASE-NPO-11264]	c 07	N72-25174	Multichannel telemetry system [NASA-CASE-NPO-11572]	c 07	N73-16121	Controlled oscillator system with a time dependent output frequency [NASA-CASE-NPO-11962-1]	c 33	N74-10194
Communications link for computers [NASA-CASE-NPO-11161]	c 08	N72-25207	Data-aided carrier tracking loops [NASA-CASE-NPO-11282]	c 10	N73-16205	Low loss dichroic plate [NASA-CASE-NPO-13171-1]	c 32	N74-11000
Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier [NASA-CASE-NPO-11338]	c 08	N72-25208	Stacked solar cell arrays [NASA-CASE-NPO-11771]	c 03	N73-20040	Image data rate converter having a drum with a fixed head and a rotatable head [NASA-CASE-NPO-11659-1]	c 35	N74-11283
Binary coded sequential acquisition ranging system [NASA-CASE-NPO-11194]	c 08	N72-25209	A m-ary linear feedback shift register with binary logic [NASA-CASE-NPO-11868]	c 10	N73-20254	Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver [NASA-CASE-NPO-11919-1]	c 35	N74-11284
MOD 2 sequential function generator for multibit binary sequence [NASA-CASE-NPO-10636]	c 08	N72-25210	Apparatus for recovering matter adhered to a host surface [NASA-CASE-NPO-11213]	c 15	N73-20514	Digital second-order phase-locked loop [NASA-CASE-NPO-11905-1]	c 33	N74-12887
Digital video display system using cathode ray tube [NASA-CASE-NPO-11342]	c 09	N72-25248	Scan converting video tape recorder [NASA-CASE-NPO-10166-1]	c 07	N73-22076	Automatic vehicle location system [NASA-CASE-NPO-11850-1]	c 32	N74-12912
Inverter oscillator with voltage feedback [NASA-CASE-NPO-10760]	c 09	N72-25254	Collapseable structure for an antenna reflector [NASA-CASE-NPO-11751]	c 07	N73-24176	Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control [NASA-CASE-NPO-11317-2]	c 36	N74-13205
Thermal motor [NASA-CASE-NPO-11283]	c 09	N72-25260	Pump for delivering heated fluids [NASA-CASE-NPO-11417]	c 15	N73-24513	Use of thin film light detector [NASA-CASE-NPO-11432-2]	c 35	N74-15090
Two phase flow system with discrete impinging two-phase jets [NASA-CASE-NPO-11556]	c 12	N72-25292	Ion thruster with a combination keeper electrode and electron baffle [NASA-CASE-NPO-11880]	c 28	N73-24783	Temperature compensated digital inertial sensor [NASA-CASE-NPO-13044-1]	c 35	N74-15094
Atmospheric sampling devices [NASA-CASE-NPO-11373]	c 13	N72-25323	Solid propellant rocket motor [NASA-CASE-NPO-11559]	c 28	N73-24784	Compact hydrogenator [NASA-CASE-NPO-11682-1]	c 35	N74-15127
Light sensor [NASA-CASE-NPO-11311]	c 14	N72-25414	Code regenerative clean-up loop transponder for a multi-type ranging system [NASA-CASE-NPO-11707]	c 07	N73-25161	Short range laser obstacle detector [NASA-CASE-NPO-11856-1]	c 36	N74-15145
Quick disconnect coupling [NASA-CASE-NPO-11202]	c 15	N72-25450	Numerical computer peripheral interactive device with manual controls [NASA-CASE-NPO-11497]	c 08	N73-25206	System for stabilizing cable phase delay utilizing a coaxial cable under pressure [NASA-CASE-NPO-13138-1]	c 33	N74-17927
Coaxial injector for reaction motors [NASA-CASE-NPO-11095]	c 15	N72-25455	Radiant source tracker independent of nonconstant irradiance [NASA-CASE-NPO-11686]	c 14	N73-25462	Storage battery comprising negative plates of a wedge shaped configuration [NASA-CASE-NPO-11806-1]	c 44	N74-19693
Ball screw linear actuator [NASA-CASE-NPO-11222]	c 15	N72-25456	Two carrier communication system with single transmitter [NASA-CASE-NPO-11548]	c 07	N73-26118	Gated compressor, distortionless signal limiter [NASA-CASE-NPO-11820-1]	c 32	N74-19788
Helium refrigerator and method for decontaminating the refrigerator [NASA-CASE-NPO-10634]	c 23	N72-25619	High pulse rate high resolution optical radar system [NASA-CASE-NPO-11426]	c 07	N73-26119	Apparatus for scanning the surface of a cylindrical body [NASA-CASE-NPO-11861-1]	c 36	N74-20009
Uninsulated in-core thermionic diode [NASA-CASE-NPO-10542]	c 09	N72-27228	Counting digital filters [NASA-CASE-NPO-11821-1]	c 08	N73-26175			
Audio frequency marker system [NASA-CASE-NPO-11147]	c 14	N72-27408	Automated attendance accounting system [NASA-CASE-NPO-11456]	c 08	N73-26176			
Light direction sensor [NASA-CASE-NPO-11201]	c 14	N72-27409						
Adjustable support [NASA-CASE-NPO-10721]	c 15	N72-27484						
Method for controlling vapor content of a gas [NASA-CASE-NPO-10633]	c 03	N72-28025						

Solar cell grid patterns		
[NASA-CASE-NPO-13087-2]	c 44	N76-31666
Furlable antenna		
[NASA-CASE-NPO-13553-1]	c 33	N76-32457
Annular arc accelerator shock tube		
[NASA-CASE-NPO-13528-1]	c 09	N77-10071
Cryostat system for temperatures on the order of 2 deg K or less		
[NASA-CASE-NPO-13459-1]	c 31	N77-10229
The dc-to-dc converters employing staggered-phase power switches with two-loop control		
[NASA-CASE-NPO-13512-1]	c 33	N77-10428
Ion and electron detector for use in an ICR spectrometer		
[NASA-CASE-NPO-13479-1]	c 35	N77-10492
Hydrogen-rich gas generator		
[NASA-CASE-NPO-13560-1]	c 44	N77-10636
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel		
[NASA-CASE-NPO-13545-1]	c 32	N77-12240
Computer interface system		
[NASA-CASE-NPO-13428-1]	c 60	N77-12721
High temperature oxidation resistant cermet compositions		
[NASA-CASE-NPO-13666-1]	c 27	N77-13217
Frequency discriminator and phase detector circuit		
[NASA-CASE-NPO-11515-1]	c 33	N77-13315
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump		
[NASA-CASE-NPO-13663-1]	c 35	N77-14406
Thermocouple installation		
[NASA-CASE-NPO-13540-1]	c 35	N77-14409
Method and apparatus for background signal reduction in opto-acoustic absorption measurement		
[NASA-CASE-NPO-13683-1]	c 35	N77-14411
Nuclear thermionic converter		
[NASA-CASE-NPO-13121-1]	c 73	N77-18891
Multiple rate digital command detection system with range clean-up capability		
[NASA-CASE-NPO-13753-1]	c 32	N77-20289
Charge storage diode modulators and demodulators		
[NASA-CASE-NPO-10189-1]	c 33	N77-21314
Compact, high intensity arc lamp with internal magnetic field producing means		
[NASA-CASE-NPO-11510-1]	c 33	N77-21315
Depressurization of arc lamps		
[NASA-CASE-NPO-10790-1]	c 33	N77-21316
Electromagnetic transducer recording head having a laminated core section and tapered gap		
[NASA-CASE-NPO-10711-1]	c 35	N77-21392
Cryogenic liquid sensor		
[NASA-CASE-NPO-10619-1]	c 35	N77-21393
Uniform variable light source		
[NASA-CASE-NPO-11429-1]	c 74	N77-21941
Arc control in compact arc lamps		
[NASA-CASE-NPO-10870-1]	c 33	N77-22386
Hydraulic drain means for servo-systems		
[NASA-CASE-NPO-10316-1]	c 37	N77-22479
Automated multi-level vehicle parking system		
[NASA-CASE-NPO-13058-1]	c 37	N77-22480
Sun direction detection system		
[NASA-CASE-NPO-13722-1]	c 74	N77-22951
Isotope separation using metallic vapor lasers		
[NASA-CASE-NPO-13550-1]	c 36	N77-26477
Distributed feedback acoustic surface wave oscillator		
[NASA-CASE-NPO-13673-1]	c 71	N77-26919
Penetrometer		
[NASA-CASE-NPO-11103-1]	c 35	N77-27367
Lightweight reflector assembly		
[NASA-CASE-NPO-13707-1]	c 74	N77-28933
Aldehyde-containing urea-absorbing polysaccharides		
[NASA-CASE-NPO-13620-1]	c 27	N77-30236
Phase substitution of spare converter for a failed one of parallel phase staggered converters		
[NASA-CASE-NPO-13812-1]	c 33	N77-30365
Oil and fat absorbing polymers		
[NASA-CASE-NPO-11609-2]	c 27	N77-31308
Combustion engine		
[NASA-CASE-NPO-13671-1]	c 37	N77-31497
Apparatus for photon excited catalysis		
[NASA-CASE-NPO-13566-1]	c 25	N77-32255
Charge-coupled device data processor for an airborne imaging radar system		
[NASA-CASE-NPO-13587-1]	c 32	N77-32342
Direct reading inductance meter		
[NASA-CASE-NPO-13792-1]	c 35	N77-32455
Solar photolysis of water		
[NASA-CASE-NPO-13675-1]	c 44	N77-32580
Low to high temperature energy conversion system		
[NASA-CASE-NPO-13510-1]	c 44	N77-32581
Solar energy collection system		
[NASA-CASE-NPO-13810-1]	c 44	N77-32582
Three-dimensional tracking solar energy concentrator and method for making same		
[NASA-CASE-NPO-13736-1]	c 44	N77-32583

Overload protection system for power inverter [NASA-CASE-NPO-13872-1]	c 33	N78-10377	Portable electrophoresis apparatus using minimum electrolyte [NASA-CASE-NPO-13274-1]	c 25	N79-10163	Underwater seismic source [NASA-CASE-NPO-14255-1]	c 46	N79-23555
Photoelectron spectrometer with means for stabilizing sample surface potential [NASA-CASE-NPO-13772-1]	c 35	N78-10429	Automatic communication signal monitoring system [NASA-CASE-NPO-13941-1]	c 32	N79-10262	Resolution enhanced sound detecting apparatus [NASA-CASE-NPO-14134-1]	c 71	N79-23753
Machine for use in monitoring fatigue life for a plurality of elastomeric specimens [NASA-CASE-NPO-13731-1]	c 39	N78-10493	Surface roughness measuring system [NASA-CASE-NPO-13862-1]	c 35	N79-10391	Phase conjugation method and apparatus for an active retrodirective antenna array [NASA-CASE-NPO-13641-1]	c 32	N79-24210
Portable linear-focused solar thermal energy collecting system [NASA-CASE-NPO-13734-1]	c 44	N78-10554	Vehicular impact absorption system [NASA-CASE-NPO-14014-1]	c 37	N79-10420	Module failure isolation circuit for paralleled inverters [NASA-CASE-NPO-14000-1]	c 33	N79-24254
Acoustic energy shaping [NASA-CASE-NPO-13802-1]	c 71	N78-10837	Dual membrane hollow fiber fuel cell and method of operating same [NASA-CASE-NPO-13732-1]	c 44	N79-10513	Circuit for automatic load sharing in parallel converter modules [NASA-CASE-NPO-14056-1]	c 33	N79-24257
High voltage, high current Schottky barrier solar cell [NASA-CASE-NPO-13482-1]	c 44	N78-13526	Combustor [NASA-CASE-NPO-13958-1]	c 25	N79-11151	Bonding machine for forming a solar array strip [NASA-CASE-NPO-13652-2]	c 44	N79-24431
Durable antistatic coating for polymethylmethacrylate [NASA-CASE-NPO-13867-1]	c 27	N78-14164	Surfactant-assisted liquefaction of particulate carbonaceous substances [NASA-CASE-NPO-13904-1]	c 25	N79-11152	Primary reflector for solar energy collection systems and method of making same [NASA-CASE-NPO-13579-3]	c 44	N79-24432
Ultra stable frequency distribution system [NASA-CASE-NPO-13836-1]	c 32	N78-15323	Electroexplosive device [NASA-CASE-NPO-13858-1]	c 28	N79-11231	Solar energy collection system [NASA-CASE-NPO-13579-2]	c 44	N79-24433
Selective image area control of X-ray film exposure density [NASA-CASE-NPO-13808-1]	c 35	N78-15461	Space-charge-limited solid-state triode [NASA-CASE-NPO-13064-1]	c 33	N79-11314	Compact artificial hand [NASA-CASE-NPO-13906-1]	c 54	N79-24652
Motion restraining device [NASA-CASE-NPO-13619-1]	c 37	N78-16369	Plasma igniter for internal combustion engine [NASA-CASE-NPO-13828-1]	c 37	N79-11405	Double-sided solar cell package [NASA-CASE-NPO-14199-1]	c 44	N79-25482
Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof [NASA-CASE-NPO-10557]	c 27	N78-17214	Non-tracking solar energy collector system [NASA-CASE-NPO-13817-1]	c 44	N79-11471	Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means [NASA-CASE-NPO-13910-1]	c 52	N79-27836
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement [NASA-CASE-NPO-13764-1]	c 27	N78-17215	Method of controlling defect orientation in silicon crystal ribbon growth [NASA-CASE-NPO-13918-1]	c 76	N79-11920	Chemical vapor deposition reactor [NASA-CASE-NPO-13650-1]	c 25	N79-28253
Purging means and method for Xenon arc lamps [NASA-CASE-NPO-11978]	c 31	N78-17238	Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells [NASA-CASE-NPO-14100-1]	c 44	N79-12541	High performance ammonium nitrate propellant [NASA-CASE-NPO-14260-1]	c 28	N79-28342
Pressure transducer [NASA-CASE-NPO-11150]	c 35	N78-17359	Automated clinical system for chromosome analysis [NASA-CASE-NPO-13913-1]	c 52	N79-12694	Biocontamination and particulate detection system [NASA-CASE-NPO-13953-1]	c 35	N79-28527
Cross correlation anomaly detection system [NASA-CASE-NPO-13283]	c 38	N78-17395	Conical scan tracking system employing a large antenna [NASA-CASE-NPO-14009-1]	c 32	N79-13214	Multi-channel rotating optical interface for data transmission [NASA-CASE-NPO-14066-1]	c 74	N79-34011
Automatic visual inspection system for microelectronics [NASA-CASE-NPO-13282]	c 38	N78-17396	Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6 [NASA-CASE-NPO-13993-1]	c 72	N79-13826	Start up system for hydrogen generator used with an internal combustion engine [NASA-CASE-NPO-13849-1]	c 28	N80-10374
Low cost solar energy collection system [NASA-CASE-NPO-13579-1]	c 44	N78-17460	High temperature resistant cermet and ceramic compositions [NASA-CASE-NPO-13690-2]	c 27	N79-14213	System for detecting substructure microfractures and method therefore [NASA-CASE-NPO-14192-1]	c 39	N80-10507
Differential optoacoustic absorption detector [NASA-CASE-NPO-13759-1]	c 74	N78-17867	Inhibited solid propellant composition containing beryllium hydride [NASA-CASE-NPO-10866-1]	c 28	N79-14228	Borehole geological assessment [NASA-CASE-NPO-14231-1]	c 46	N80-10709
Interferometer mirror tilt correcting system [NASA-CASE-NPO-13687-1]	c 35	N78-18391	Digital demodulator-correlator [NASA-CASE-NPO-13982-1]	c 32	N79-14267	Electromagnetic power absorber [NASA-CASE-NPO-13830-1]	c 32	N80-14281
Over-under double-pass interferometer [NASA-CASE-NPO-13999-1]	c 35	N78-18395	Azimuth correlator for real-time synthetic aperture radar image processing [NASA-CASE-NPO-14019-1]	c 32	N79-14268	Multiple anode arc lamp system [NASA-CASE-NPO-10857-1]	c 33	N80-14330
Independent gain and bandwidth control of a traveling wave maser [NASA-CASE-NPO-13801-1]	c 36	N78-18410	Apparatus for providing a servo drive signal in a high-speed stepping interferometer [NASA-CASE-NPO-13569-2]	c 35	N79-14348	Method for analyzing radiation sensitivity of integrated circuits [NASA-CASE-NPO-14350-1]	c 33	N80-14332
High temperature resistant cermet and ceramic compositions [NASA-CASE-NPO-13690-1]	c 27	N78-19302	High-torque open-end wrench [NASA-CASE-NPO-13541-1]	c 37	N79-14383	Method for forming a solar array strip [NASA-CASE-NPO-13652-3]	c 44	N80-14474
Thin conformal antenna array for microwave power conversions [NASA-CASE-NPO-13886-1]	c 32	N78-24391	Sun tracking solar energy collector [NASA-CASE-NPO-13921-1]	c 44	N79-14526	Ozonation of cooling tower waters [NASA-CASE-NPO-14340-1]	c 45	N80-14579
Multistation refrigeration system [NASA-CASE-NPO-13839-1]	c 31	N78-25256	Primary reflector for solar energy collection systems [NASA-CASE-NPO-13579-4]	c 44	N79-14529	System for real-time crustal deformation monitoring [NASA-CASE-NPO-14124-1]	c 46	N80-14603
Swept group delay measurement [NASA-CASE-NPO-13909-1]	c 33	N78-25319	Gas diffusion liquid storage bag and method of use for storing blood [NASA-CASE-NPO-13930-1]	c 52	N79-14749	Dialysis system [NASA-CASE-NPO-14101-1]	c 52	N80-14687
Polymeric electrolytic hygrometer [NASA-CASE-NPO-13948-1]	c 35	N78-25391	Coupling apparatus for ultrasonic medical diagnostic system [NASA-CASE-NPO-13935-1]	c 52	N79-14751	High resolution threshold photoelectron spectroscopy by electron attachment [NASA-CASE-NPO-14078-1]	c 72	N80-14877
Charge transfer reaction laser with preionization means [NASA-CASE-NPO-13945-1]	c 36	N78-27402	Thermomagnetic recording and magnetic-optic playback system [NASA-CASE-NPO-10872-1]	c 35	N79-16246	Strong thin membrane structure [NASA-CASE-NPO-14021-2]	c 27	N80-16163
RF beam center location method and apparatus for power transmission system [NASA-CASE-NPO-13821-1]	c 44	N78-28594	Manganese bismuth films with narrow transfer characteristics for Curie-point switching [NASA-CASE-NPO-11336-1]	c 76	N79-16678	Antenna feed system for receiving circular polarization and transmitting linear polarization [NASA-CASE-NPO-14362-1]	c 32	N80-16261
Control for nuclear thermionic power source [NASA-CASE-NPO-13114-2]	c 73	N78-28913	Multispectral imaging and analysis system [NASA-CASE-NPO-13691-1]	c 43	N79-17288	High-speed data link for moderate distances and noisy environments [NASA-CASE-NPO-14152-1]	c 32	N80-18252
Magneto-optic detection system with noise cancellation [NASA-CASE-NPO-11954-1]	c 35	N78-29421	Solar array strip and a method for forming the same [NASA-CASE-NPO-13652-1]	c 44	N79-17314	Radio frequency arraying method for receivers [NASA-CASE-NPO-14328-1]	c 32	N80-18253
Nitramine propellants [NASA-CASE-NPO-14103-1]	c 28	N78-31255	Process for purification of waste water produced by a Kraft process pulp and paper mill [NASA-CASE-NPO-13847-2]	c 85	N79-17747	High power RF coaxial switch [NASA-CASE-NPO-14229-1]	c 33	N80-18285
Reflex feed system for dual frequency antenna with frequency cutoff means [NASA-CASE-NPO-14022-1]	c 32	N78-31321	Thermal energy transformer [NASA-CASE-NPO-14058-1]	c 44	N79-18443	Microwave power transmission beam safety system [NASA-CASE-NPO-14224-1]	c 33	N80-18287
Solar pond [NASA-CASE-NPO-13581-2]	c 44	N78-31525	Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-1]	c 32	N79-19195	Viscosity measuring instrument [NASA-CASE-NPO-14501-1]	c 35	N80-18357
Non-tracking solar energy collector system [NASA-CASE-NPO-13813-1]	c 44	N78-31526	Method and turbine for extracting kinetic energy from a stream of two-phase fluid [NASA-CASE-NPO-14130-1]	c 34	N79-20335	Frequency-scanning particle size spectrometer [NASA-CASE-NPO-13606-2]	c 35	N80-18364
Coal desulfurization process [NASA-CASE-NPO-13937-1]	c 44	N78-31527	Digital data reformatter/deserializer [NASA-CASE-NPO-13676-1]	c 60	N79-20751	Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures [NASA-CASE-NPO-14254-1]	c 36	N80-18372
Solid propellant motor [NASA-CASE-NPO-11458A]	c 20	N78-32179	Acoustic driving of rotor [NASA-CASE-NPO-14005-1]	c 71	N79-20827	Driver for solar cell I-V characteristic plots [NASA-CASE-NPO-14096-1]	c 44	N80-18551
Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil [NASA-CASE-NPO-08835-1]	c 27	N78-33228	System and method for obtaining wide screen Schlieren photographs [NASA-CASE-NPO-14174-1]	c 74	N79-20856	Method and means for helium/hydrogen ratio measurement by alpha scattering [NASA-CASE-NPO-14079-1]	c 25	N80-20334
Hydrogen-fueled engine [NASA-CASE-NPO-13763-1]	c 44	N78-33526	Seismic vibration source [NASA-CASE-NPO-14112-1]	c 46	N79-22679	Satellite personal communications system [NASA-CASE-NPO-14480-1]	c 32	N80-20448
Plural output optometric sample cell and analysis system [NASA-CASE-NPO-10233-1]	c 74	N78-33913				Velocity servo for continuous scan Fourier interference spectrometer [NASA-CASE-NPO-14093-1]	c 35	N80-20563
						Portable heatable container [NASA-CASE-NPO-14237-1]	c 44	N80-20808
						Dual band combiner for horn antenna [NASA-CASE-NPO-14519-1]	c 32	N80-23524

- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
- Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
- Cooled echelle grating spectrometer
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
- System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Frequency translating phase conjugation circuit for active retrodirective antenna array
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Precise RF timing signal distribution to remote stations
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Speed control device for a heavy duty shaft
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- Molten salt pyrolysis of latex
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
- System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
- Controller for computer control of brushless dc motors
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- Polymeric compositions and their method of manufacture
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- Stark effect spectrophone for continuous absorption spectra monitoring
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- Coal desulfurization
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Head for high speed spinner having a vacuum chuck
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- Microwave limb sounder
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Method for shaping and aiming narrow beams
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- Suspension system for a wheel rolling on a flat track
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
- Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- High power metallic halide laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
- Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- Method and device for detection of a substance
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- Distributed multipoint memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- Pressure leldown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583

- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-16337-1] c 33 N85-20251
- Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
- Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
- Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
- Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
- Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
- Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
- Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
- Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-2] c 35 N85-34373
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604
- Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711
- Single mode levitation and translation
[NASA-CASE-NPO-16675-1-CU] c 71 N86-20087
- Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N86-20129
- Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673
- Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681
- A water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755
- Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N86-20777
- Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N86-20779
- Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N86-20780
- Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801
- Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- Neighborhood comparison operator
[NASA-CASE-NPO-16464-1-CU] c 60 N86-24224
- Convolver
[NASA-CASE-NPO-16462-1-CU] c 60 N86-24225
- High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1-CU] c 04 N86-27270
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
- Johns Hopkins Univ., Laurel, Md.**
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- Johns Hopkins Univ., Silver Spring, Md.**
Open loop digital frequency multiplier
[NASA-CASE-MS-12709-1] c 33 N77-24375

K

- Kelsey-Hayes Co., Romulus, Mich.**
Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
- Keltec Industries, Inc., Alexandria, Va.**
Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HQN-00937] c 07 N71-28979
- Kentucky Univ., Lexington.**
Apparatus for determining changes in limb volume
[NASA-CASE-MS-18759-1] c 52 N83-27578
- Kinetic Corp., Pasadena, Calif.**
Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- Kollsman Instrument Corp., Elmhurst, N.Y.**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
- Kollman Instrument Corp., Syosset, N.Y.**
Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
- Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- Konigsberg Instruments, Inc., Pasadena, Calif.**
Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
- Korad Corp., New York.**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400

L

- Life Systems, Inc., Beachwood, Ohio.**
Iodine generator for reclaimed water purification
[NASA-CASE-MS-14632-1] c 54 N78-14784
- Ling-Temco-Vought, Inc., Dallas, Tex.**
Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897
- Little (Arthur D.), Inc., Cambridge, Mass.**
Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MS-14331-1] c 27 N76-24405
- Flame retardant spandex type polyurethanes
[NASA-CASE-MS-14331-2] c 27 N78-17213
- Process for spinning flame retardant elastomeric compositions
[NASA-CASE-MS-14331-3] c 27 N78-32262
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MS-18382-1] c 27 N82-16238

- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484
- Litton Industries, Beverly Hills, Calif.**
Life support system
[NASA-CASE-MSC-12411-1] c 05 N72-20096
- Litton Industries, College Park, Md.**
Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- Litton Industries, San Carlos, Calif.**
Very high intensity light source using a cathode ray tube
[NASA-CASE-XNP-01296] c 33 N75-27250
- Litton Systems, Inc., Minneapolis, Minn.**
Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
- Lockheed Aircraft Corp., Burbank, Calif.**
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- Lockheed-California Co., Burbank.**
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
- Multistage aerospace craft
[NASA-CASE-XMF-02263] c 05 N74-10907
- Lockheed Electronics Co., Houston, Tex.**
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
- Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860
- Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
- Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
- Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
- Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479
- Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515
- Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604
- Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- Lockheed Engineering and Management Services Co., Inc., Las Cruces, N. Mex.**
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413
- Lockheed Missiles and Space Co., Huntsville, Ala.**
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749
- Lockheed Missiles and Space Co., Sunnyvale, Calif.**
Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
- Transient heat transfer gauge Patent
[NASA-CASE-XNP-08802] c 33 N71-15641
- Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
- Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- Whole body measurement systems
[NASA-CASE-MSC-13972-1] c 52 N74-10975
- Four phase logic systems
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- Strain arrestor plate for fused silica tile
[NASA-CASE-MSC-14182-1] c 27 N76-14264
- Medical subject monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MSC-14831-1] c 25 N78-10225
- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- Lockheed Propulsion Co., Redlands, Calif.**
Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
- LTV Aerospace Corp., Dallas, Tex.**
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
- LTV Aerospace Corp., Hampton, Va.**
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
- M**
- Macon-Rust Co., Lexington, Ky.**
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- Marlin-Rockwell Corp., Jamestown, N.Y.**
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
- Marquardt Corp., Van Nuys, Calif.**
Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058
- Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
- Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
- Martin Marietta Aerospace, Denver, Colo.**
Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Pulse transducer with artifact signal attenuator
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- Urine collection apparatus
[NASA-CASE-MSC-18381-1] c 52 N81-28740
- Martin Marietta Corp., Baltimore, Md.**
Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
- Martin Marietta Corp., Denver, Colo.**
Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
- Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230
- Low distortion automatic phase control circuit
[NASA-CASE-MFS-21671-1] c 33 N74-22885
- Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041
- Filter regeneration systems
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
- Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
- Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375
- Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
- Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670
- Maryland Univ., College Park.**
Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- Massachusetts Inst. of Tech., Cambridge.**
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
- Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
- Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
- Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
- Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
- Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
- Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143
- Vapor deposition apparatus
[NASA-CASE-HQN-10462] c 25 N75-29192
- Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
- MB Associates, San Ramon, Calif.**
Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- McDonnell Aircraft Co., St. Louis, Mo.**
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
- Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
- Apparatus for welding sheet material
[NASA-CASE-XMS-01330] c 37 N75-27376
- Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
- Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- McDonnell-Douglas Astronautics Co., Huntington Beach, Calif.**
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- McDonnell-Douglas Astronautics Co., Santa Monica, Calif.**
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
- McDonnell-Douglas Astronautics Co., St. Louis, Mo.**
Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
- McDonnell-Douglas Corp., Huntington Beach, Calif.**
Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
- Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
- Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
- Thrust-isolating mounting
[NASA-CASE-MFS-21680-1] c 18 N74-27397

Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
Phase-locked servo system
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
Device for use in loading tension members
[NASA-CASE-MFS-21488-1] c 14 N75-24794

McDonnell-Douglas Corp., Long Beach, Calif.

Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630

McDonnell-Douglas Corp., Newport Beach, Calif.

Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337

McDonnell-Douglas Corp., Santa Monica, Calif.

Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions
[NASA-CASE-NPO-12122-1] c 24 N76-14203
Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228

McDonnell-Douglas Corp., St. Louis, Mo.

Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278

McDonnell-Douglas Technical Services Co., Inc., Houston, Tex.

Universal clamp
[NASA-CASE-MSC-20549-1] c 37 N86-19612

Medical Sciences Research Foundation, San Francisco, Calif.

Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270

Mellon Inst., Pittsburgh, Pa.

Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781

Melpar, Inc., Falls Church, Va.

Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086

Metcom, Inc., Salem, Mass.

Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841

Methodist Hospital, Houston, Tex.

Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717

Microwave Electronics Corp., Palo Alto, Calif.

Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049

Microwave Research Corp., North Andover, Mass.

Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278

Midwest Research Inst., Kansas City, Mo.

Preparation of ordered polyarylenesiloxane polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21044-1] c 06 N73-30098

Milliken (D. B.) Co., Arcadia, Calif.

Film feed camera having a defocus means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935

Minneapolis-Honeywell Regulator Co., Minn.

Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783

Modern Machine and Tool Co., Newport News, Va.

Means for accommodating large overstrain in lead wires
[NASA-CASE-LAR-10168-1] c 33 N74-22865

Monsanto Co., St. Louis, Mo.

Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

Monsanto Research Corp., Dayton, Ohio.

Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268

Motorola, Inc., Phoenix, Ariz.

Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467

Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229

Motorola, Inc., Scottsdale, Ariz.

Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405

Motorola, Inc., Scottsdale, Ariz.

Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

N**National Academy of Sciences - National Research Council, Washington, D. C.**

Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
Stagnation pressure probe
[NASA-CASE-LAR-11139-1] c 35 N74-32878
Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
Method of preparing water purification membranes
[NASA-CASE-ARC-10643-1] c 25 N75-12087
Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732
Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Integrable power gyrator
[NASA-CASE-MFS-22342-1] c 33 N75-30428
Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393
Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408

Method for making a hot wire anemometer and product thereof

[NASA-CASE-ARC-10900-1] c 35 N77-24454
Length controlled stabilized mode-locked Nd:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
Method of growing composites of the type exhibiting the Soret effect
[NASA-CASE-MFS-22926-1] c 24 N77-27187
Method and apparatus for splitting a beam of energy
[NASA-CASE-GSC-12083-1] c 73 N78-32848
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
Autonomous navigation system
[NASA-CASE-ARC-11257-1] c 04 N81-21047
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361
Synthesis of 2,4,8,10-tetroxaspiro[5.5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187
Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
Metal (2,4,4',4'') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455

National Aeronautics and Space Administration, Washington, D.C.

Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692
System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
Doppler shift system
[NASA-CASE-HQN-10740-1] c 72 N74-19310
Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653

Laser fluid velocity detector	Patent	c 16	N71-24828
[NASA-CASE-XAC-10770-1]			
Transient video signal recording with expanded playback	Patent	c 09	N71-25866
[NASA-CASE-ARC-10003-1]			
Thermally cycled magnetometer	Patent	c 14	N71-26135
[NASA-CASE-XAC-03740]			
Optical machine tool alignment indicator	Patent	c 15	N71-26673
[NASA-CASE-XAC-09489-1]			
Energy limiter for hydraulic actuators	Patent	c 15	N71-27754
[NASA-CASE-ARC-10131-1]			
Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations	Patent	c 09	N71-28468
[NASA-CASE-ARC-10137-1]			
Locomotion and restraint aid	Patent	c 05	N71-28611
[NASA-CASE-ARC-10153]			
Line following servosystem	Patent	c 15	N71-28952
[NASA-CASE-XAC-00001]			
Mechanically limited, electrically operated hydraulic valve system for aircraft controls	Patent	c 02	N71-29128
[NASA-CASE-XAC-00048]			
Precision rectifier with FET switching means	Patent	c 09	N71-33109
[NASA-CASE-ARC-10101-1]			
Solar cell	Patent	c 03	N71-33409
[NASA-CASE-ARC-10050]			
Phase shift circuit apparatus		c 10	N72-16172
[NASA-CASE-ARC-10269-1]			
High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level		c 09	N72-17152
[NASA-CASE-ARC-10178-1]			
Telemetry actuated switch		c 09	N72-17153
[NASA-CASE-ARC-10105]			
Active RC networks		c 10	N72-17172
[NASA-CASE-ARC-10020]			
Apparatus for automatically stabilizing the attitude of a nonguided vehicle		c 30	N72-17873
[NASA-CASE-ARC-10134]			
Method and apparatus for swept-frequency impedance measurements of welds		c 15	N72-21464
[NASA-CASE-ARC-10176-1]			
Space suit having improved waist and torso movement		c 05	N72-22092
[NASA-CASE-ARC-10275-1]			
RF controlled solid state switch		c 09	N72-22202
[NASA-CASE-ARC-10136-1]			
Wide range dynamic pressure sensor		c 14	N72-22438
[NASA-CASE-ARC-10263-1]			
Method and apparatus for measuring the damping characteristics of a structure		c 14	N72-22440
[NASA-CASE-ARC-10154-1]			
Magnetic position detection method and apparatus		c 21	N72-22619
[NASA-CASE-ARC-10179-1]			
Fluidic proportional thruster system		c 28	N72-22769
[NASA-CASE-ARC-10106-1]			
Thermoelectric radiometer utilizing polymer film		c 14	N72-24477
[NASA-CASE-ARC-10138-1]			
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines		c 06	N72-25147
[NASA-CASE-ARC-10325]			
Stereoscopic television system and apparatus		c 23	N72-27728
[NASA-CASE-ARC-10160-1]			
Metallic intrusion detector system		c 10	N72-28240
[NASA-CASE-ARC-10265-1]			
Apparatus for ionization analysis		c 14	N72-29464
[NASA-CASE-ARC-10017-1]			
Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas		c 06	N72-31141
[NASA-CASE-ARC-10308-1]			
Two degree inverted flexure		c 15	N73-12488
[NASA-CASE-ARC-10345-1]			
Intumescent paint containing nitrile rubber		c 18	N73-13562
[NASA-CASE-ARC-10196-1]			
Temperature compensated light source using a light emitting diode		c 09	N73-14214
[NASA-CASE-ARC-10467-1]			
Self-tuning bandpass filter		c 09	N73-20231
[NASA-CASE-ARC-10264-1]			
Micrometeoroid analyzer		c 14	N73-20477
[NASA-CASE-ARC-10443-1]			
Multiple pass reimaging optical system		c 23	N73-20741
[NASA-CASE-ARC-10194-1]			
Intruder detection system		c 07	N73-25160
[NASA-CASE-ARC-10097-2]			
Interferometric rotation sensor		c 14	N73-25463
[NASA-CASE-ARC-10278-1]			
Dual-fuselage aircraft having yawable wing and horizontal stabilizer		c 02	N73-26005
[NASA-CASE-ARC-10470-1]			
Temperature controller for a fluid cooled garment		c 05	N73-26071
[NASA-CASE-ARC-10599-1]			
Visual examination apparatus		c 05	N73-26072
[NASA-CASE-ARC-10329-1]			

- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
- Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
- Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
- Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Flexible fire retardant polyisocyanate modified neoprene foam
[NASA-CASE-ARC-10180-1] c 27 N74-12814
- Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
- Bimetallic fluid displacement apparatus
[NASA-CASE-ARC-10441-1] c 35 N74-15126
- Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- Ultrasonic biomedical measuring and recording apparatus
[NASA-CASE-ARC-10597-1] c 52 N74-20726
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- High speed shutter
[NASA-CASE-ARC-10516-1] c 70 N74-21300
- Bio-isolated dc operational amplifier
[NASA-CASE-ARC-10596-1] c 33 N74-21851
- Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- Chromato-fluorographic drug detector
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Photomultiplier circuit including means for rapidly reducing the sensitivity thereof
[NASA-CASE-ARC-10593-1] c 33 N74-27682
- Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Method of preparing water purification membranes
[NASA-CASE-ARC-10643-1] c 25 N75-12087
- Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732
- Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
- Continuous Fourier transform method and apparatus
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Dual wavelength scanning Doppler velocimeter
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- Signal conditioning circuit apparatus
[NASA-CASE-ARC-10348-1] c 33 N75-19518
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- Reversed cowl flap inlet thrust augmentor
[NASA-CASE-ARC-10754-1] c 07 N75-24736
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041
- Rotary plant growth accelerating apparatus
[NASA-CASE-ARC-10722-1] c 51 N75-25503
- Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915
- Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
- G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
- NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
- Diatomic infrared gasdynamic laser
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
- Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
- Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- System for measuring Reynolds in a turbulently flowing fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517
- Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
- Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
- Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
- Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
- Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- Selective data segment monitoring system
[NASA-CASE-ARC-10899-1] c 60 N77-19760
- All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- Metallic hot wire anemometer
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
- Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- Full color hybrid display for aircraft simulators
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466
- Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- Tread drum for animals
[NASA-CASE-ARC-10917-1] c 51 N78-27733
- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
- Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162
- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- Ambient cure polyimide foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
- Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
- Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551

Acoustically swept rotor
[NASA-CASE-ARC-11106-1] c 05 N80-14107

Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides
[NASA-CASE-ARC-11107-1] c 25 N80-16116

Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691

Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

Reverse osmosis membrane of high urea rejection properties
[NASA-CASE-ARC-10980-1] c 27 N80-23452

Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081

Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016

Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605

Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259

The 1,2,4-oxadiazole elastomers
[NASA-CASE-ARC-11253-1] c 27 N81-17262

Pressure control valve
[NASA-CASE-ARC-11251-1] c 37 N81-17433

Autonomous navigation system
[NASA-CASE-ARC-11257-1] c 04 N81-21047

Bifunctional monomers having terminal oxime and cyano or amide groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256

Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662

Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271

Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272

Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

Carboranylchlorophosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389

Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496

Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338

Adjustable high emittance gap filler
[NASA-CASE-ARC-11310-1] c 27 N82-24339

Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492

Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353

High performance channel injection sealant invention abstract
[NASA-CASE-ARC-11408-1] c 27 N82-33523

Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152

Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238

Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949

Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789

The 1-(dialkoxyposphonyl)methyl-2,4- and -2,6-dinitro- and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-1] c 23 N83-28076

Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849

Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854

Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

Synthesis of dawsonites
[NASA-CASE-ARC-11326-1] c 25 N83-33977

Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073

Scanning seismic intrusion detection method and apparatus
[NASA-CASE-ARC-11317-1] c 35 N83-34272

Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304

High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448

Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213

Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193

Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322

Process for preparing phthalocyanine polymers
[NASA-CASE-ARC-11511-1] c 23 N84-16259

Amine terminated bispartimides, process for preparation thereof, and polymers thereof
[NASA-CASE-ARC-11421-1] c 27 N84-16340

Fire resistant polymers based on 1-((dialkoxyposphonyl)methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11512-1] c 27 N84-20702

Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612

Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745

Carboranylethylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934

Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884

Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361

Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394

Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347

Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N85-21348

Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl)methyl-2,4- and 2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N85-21364

Electro-explosive separation system
[NASA-CASE-ARC-11613-1] c 33 N85-29150

Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947

LDV multiplexer interface
[NASA-CASE-ARC-11536-1] c 33 N85-30202

Synthesis of 2,4,8,10-tetroxaspiro5,5undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187

Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280

Metal (2,4,4',4'') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281

Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374

Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376

Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380

Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455

Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N86-20125

A method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N86-20128

The 1-(diorganoxyphosphonyl)methyl-2, 4- and -2, 6-dinitro and diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N86-20499

Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560

Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N86-20751

Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797

Perfluoro (imidoylamidine) diamidines
[NASA-CASE-ARC-11620-3] c 23 N86-21582

High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590

Aminophenoxycyclotriphosphazene cured epoxy resins and the composites, laminates and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N86-21686

Self-compensating solenoid valve
[NASA-CASE-ARC-11620-1] c 37 N86-21859

Airborne tracking Sun photometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N86-21982

Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N86-24700

Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N86-24978

Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416

Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288

Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451

Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629

Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131

Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618

Elbow and knee joint for hard space suits
[NASA-CASE-ARC-11610-1] c 54 N86-28619

Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620

Shoulder and hip joints for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N86-29507

Amine terminated bispartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726

Simulator scene display evaluation device
[NASA-CASE-ARC-11504-1] c 09 N86-32447

Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525

Fire resistant polyamide based on 1-(diorganoxyphosphonyl)methyl-2,4- and -2,6-diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568

Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697

Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N87-10205

Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N87-14442

Weightlessness simulation system and process
[NASA-CASE-ARC-11646-1] c 14 N87-15253

Preparation of B-Trichloroborazine
[NASA-CASE-ARC-11643-1-SB] c 23 N87-15275

Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304

Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908

Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer

[NASA-CASE-ARC-11428-2] c 27 N87-16909

Elevated waterproof access floor system and method of making the same

[NASA-CASE-ARC-11363-1] c 31 N87-16918

Projection lens scanning laser velocimeter system

[NASA-CASE-ARC-11547-1] c 36 N87-17026

High performance forward swept wing aircraft

[NASA-CASE-ARC-11636-1] c 05 N87-18561

National Aeronautics and Space Administration.

Dryden (Hugh L.) Flight Research Center, Edwards, Calif.

Fifth wheel

[NASA-CASE-FRC-10081-1] c 37 N77-14477

Window comparator

[NASA-CASE-FRC-10090-1] c 33 N78-18308

Wire stripper

[NASA-CASE-FRC-10111-1] c 37 N79-10419

Free wing assembly for an aircraft

[NASA-CASE-FRC-10092-1] c 05 N79-12061

Voltage regulator for battery power source

[NASA-CASE-FRC-10116-1] c 33 N79-23345

Air speed and attitude probe

[NASA-CASE-FRC-11009-1] c 06 N80-18036

Attaching of strain gages to substrates

[NASA-CASE-FRC-10093-1] c 35 N80-20560

Pulse transducer with artifact signal attenuator

[NASA-CASE-FRC-11012-1] c 52 N80-23969

Portable device for use in starting air-start-units for aircraft and having cable lead testing capability

[NASA-CASE-FRC-10113-1] c 33 N80-26599

System for use in conducting wake investigation for a wing in flight

[NASA-CASE-FRC-11024-1] c 02 N80-28300

Active notch filter network with variable notch depth, width and frequency

[NASA-CASE-FRC-11055-1] c 33 N80-29583

Skin friction measuring device for aircraft

[NASA-CASE-FRC-11029-1] c 06 N81-17057

Method for observing the features characterizing the surface of a land mass

[NASA-CASE-FRC-11013-1] c 43 N81-17499

Thermocouple, multiple junction reference oven

[NASA-CASE-FRC-10112-1] c 35 N81-26431

Electrical servo actuator bracket

[NASA-CASE-FRC-11044-1] c 37 N81-33483

System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation

[NASA-CASE-FRC-11005-1] c 06 N82-16075

Multiple pure tone elimination strut assembly

[NASA-CASE-FRC-11062-1] c 71 N82-16800

Apparatus for damping operator induced oscillations of a controlled system

[NASA-CASE-FRC-11041-1] c 33 N82-18493

Power converter

[NASA-CASE-FRC-11014-1] c 33 N82-18494

Sun sensing guidance system for high altitude aircraft

[NASA-CASE-FRC-11052-1] c 04 N82-23231

Superplastically formed diffusion bonded metallic structure

[NASA-CASE-FRC-11026-1] c 24 N82-24296

Smoothing filter for digital to analog conversion

[NASA-CASE-FRC-11025-1] c 33 N82-24417

Computer circuit card puller

[NASA-CASE-FRC-11042-1] c 60 N82-24839

Articular wing

[NASA-CASE-FRC-11007-2] c 05 N82-26277

Low-drag ground vehicle particularly suited for use in safety transporting livestock

[NASA-CASE-FRC-11058-1] c 85 N82-33288

Aircraft canopy lock

[NASA-CASE-FRC-11065-1] c 05 N83-19737

Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft

[NASA-CASE-FRC-11072-1] c 05 N83-27975

Aircraft body-axis rotation measurement system

[NASA-CASE-FRC-11043-1] c 06 N83-33882

National Aeronautics and Space Administration.

Electronics Research Center, Cambridge, Mass.

Method and apparatus for wavelength tuning of liquid lasers

[NASA-CASE-ERC-10187] c 16 N69-31343

A method for the deposition of beta-silicon carbide by isoelectrolysis

[NASA-CASE-ERC-10120] c 26 N69-33482

Full flow with shut off and selective drainage control valve Patent application

[NASA-CASE-ERC-10208] c 15 N70-10867

A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application

[NASA-CASE-ERC-10072] c 09 N70-11148

Method and means for an improved electron beam scanning system Patent

[NASA-CASE-ERC-10552] c 09 N71-12539

Apparatus and method for separating a semiconductor wafer Patent

[NASA-CASE-ERC-10138] c 26 N71-14354

Focused image holography with extended sources Patent

[NASA-CASE-ERC-10019] c 16 N71-15551

Recording and reconstructing focused image holograms Patent

[NASA-CASE-ERC-10017] c 16 N71-15567

Sorption vacuum trap Patent

[NASA-CASE-XER-09519] c 14 N71-18483

Voltage tunable Gunn-type microwave generator Patent

[NASA-CASE-XER-07894] c 09 N71-18721

Array phasing device Patent

[NASA-CASE-ERC-10046] c 10 N71-18722

Parametric microwave noise generator Patent

[NASA-CASE-ERC-11019] c 09 N71-23598

Saturation current protection apparatus for saturable core transformers Patent

[NASA-CASE-ERC-10075] c 09 N71-24800

Repetitively pulsed, wavelength selective laser Patent

[NASA-CASE-ERC-10178] c 16 N71-24832

Optical mirror apparatus Patent

[NASA-CASE-ERC-10001] c 23 N71-24868

Unsaturating saturable core transformer Patent

[NASA-CASE-ERC-10125] c 09 N71-24893

Leak detector wherein a probe is monitored with ultraviolet radiation Patent

[NASA-CASE-ERC-10034] c 15 N71-24896

Method for detecting leaks in hermetically sealed containers Patent

[NASA-CASE-ERC-10045] c 15 N71-24910

Satellite aided vehicle avoidance system Patent

[NASA-CASE-ERC-10090] c 21 N71-24948

Transverse piezoresistance and pinch effect electromechanical transducers Patent

[NASA-CASE-ERC-10088] c 26 N71-25490

A solid state acoustic variable time delay line Patent

[NASA-CASE-ERC-10032] c 10 N71-25900

Method and means for recording and reconstructing holograms without use of a reference beam Patent

[NASA-CASE-ERC-10020] c 16 N71-26154

Electromechanical control actuator system Patent

[NASA-CASE-ERC-10022] c 15 N71-26635

Method and apparatus for detecting gross leaks Patent

[NASA-CASE-ERC-10033] c 14 N71-26672

Field ionization electrodes Patent

[NASA-CASE-ERC-10013] c 09 N71-26678

Voltage regulator Patent

[NASA-CASE-ERC-10113] c 09 N71-27053

A multichannel photoionization chamber for absorption analysis Patent

[NASA-CASE-ERC-10044-1] c 14 N71-27090

Pressure sensitive transducers Patent

[NASA-CASE-ERC-10087] c 14 N71-27334

Constant frequency output two stage induction machine systems Patent

[NASA-CASE-ERC-10065] c 09 N71-27364

Fluid power transmitting gas bearing Patent

[NASA-CASE-ERC-10097] c 15 N71-28465

Color television systems using a single gun color cathode ray tube Patent

[NASA-CASE-ERC-10098] c 09 N71-28618

Ion microprobe mass spectrometer for analyzing fluid materials Patent

[NASA-CASE-ERC-10014] c 14 N71-28863

Orifice gross leak tester Patent

[NASA-CASE-ERC-10150] c 14 N71-28992

Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent

[NASA-CASE-XER-11203] c 14 N71-28994

Quasi-optical microwave component Patent

[NASA-CASE-ERC-10011] c 07 N71-29065

Multiple hologram recording and readout system Patent

[NASA-CASE-ERC-10151] c 16 N71-29131

Plasma fluidic hybrid display Patent

[NASA-CASE-ERC-10100] c 09 N71-33519

Optical systems having spatially invariant outputs

[NASA-CASE-ERC-10248] c 14 N72-17323

Method of detecting impending saturation of magnetic cores

[NASA-CASE-ERC-10089] c 23 N72-17747

Logarithmic function generator utilizing an exponentially varying signal in an inverse manner

[NASA-CASE-ERC-10267] c 09 N72-23173

Method and apparatus for limiting field emission current

[NASA-CASE-ERC-10015-2] c 10 N72-27246

National Aeronautics and Space Administration. Flight Research Center, Edwards, Calif.

Rocket chamber leak test fixture

[NASA-CASE-XFR-09479] c 14 N69-27503

Three axis controller Patent

[NASA-CASE-XFR-00181] c 21 N70-33279

Catalyst bed removing tool Patent

[NASA-CASE-XFR-00811] c 15 N70-36901

Two-axis controller Patent

[NASA-CASE-XFR-04104] c 03 N70-42073

Controlled visibility device for an aircraft Patent

[NASA-CASE-XFR-04147] c 11 N71-10748

Biomedical electrode arrangement Patent

[NASA-CASE-XFR-10856] c 05 N71-11189

Lifting body Patent Application

[NASA-CASE-FRC-10063] c 01 N71-12217

Energy management system for glider type vehicle Patent

[NASA-CASE-XFR-00756] c 02 N71-13421

Quick attach mechanism Patent

[NASA-CASE-XFR-05421] c 15 N71-22994

Heat flux measuring system Patent

[NASA-CASE-XFR-03802] c 33 N71-23085

Threadless fastener apparatus Patent

[NASA-CASE-XFR-05302] c 15 N71-23254

Traversing probe Patent

[NASA-CASE-XFR-02007] c 12 N71-24692

Layout tool Patent

[NASA-CASE-FRC-10005] c 15 N71-26145

Pulsed excitation voltage circuit for transducers

[NASA-CASE-FRC-10036] c 09 N72-22200

Acoustical transducer calibrating system and apparatus

[NASA-CASE-FRC-10060-1] c 14 N73-27379

Three-axis adjustable loading structure

[NASA-CASE-FRC-10051-1] c 35 N74-13129

Terminal guidance system

[NASA-CASE-FRC-10049-1] c 04 N74-13420

Full wave modulator-demodulator amplifier apparatus

[NASA-CASE-FRC-10072-1] c 33 N74-14939

Rotating raster generator

[NASA-CASE-FRC-10071-1] c 32 N74-20813

Inflatable device for installing strain gage bridges

[NASA-CASE-FRC-11068-1] c 35 N84-12443

National Aeronautics and Space Administration.

Goddard Inst. for Space Studies, New York, N.Y.

Application of luciferase assay for ATP to antimicrobial drug susceptibility

[NASA-CASE-GSC-12039-1] c 51 N77-22794

Method for fabricating a mass spectrometer inlet leak

[NASA-CASE-GSC-12077-1] c 35 N77-24455

Length controlled stabilized mode-lock Nd:YAG laser

[NASA-CASE-GSC-11571-1] c 36 N77-25499

Three phase full wave dc motor decoder

[NASA-CASE-GSC-11824-1] c 33 N77-26386

Gregorian all-reflective optical system

[NASA-CASE-GSC-12058-1] c 74 N77-26942

Opto-mechanical subsystem with temperature compensation through isothermal design

[NASA-CASE-GSC-12059-1] c 35 N77-27366

Controlled caging and uncaging mechanism

[NASA-CASE-GSC-11063-1] c 37 N77-27400

Wideband heterodyne receiver for laser communication system

[NASA-CASE-GSC-12053-1] c 32 N77-28346

Method and apparatus for producing an image from a transparent object

[NASA-CASE-GSC-11989-1] c 74 N77-28932

Pseudo noise code and data transmission method and apparatus

[NASA-CASE-GSC-12017-1] c 32 N77-30308

Speech analyzer

[NASA-CASE-GSC-11898-1] c 32 N77-30309

Automatic transponder

[NASA-CASE-GSC-12075-1] c 32 N77-31350

Method of treating the surface of a glass member

[NASA-CASE-GSC-12110-1] c 27 N77-32308

Flat-plate heat pipe

[NASA-CASE-GSC-11998-1] c 34 N77-32413

Fluid sampling device

[NASA-CASE-GSC-12143-1] c 35 N77-32456

Analogue to digital converter for two-dimensional radiant energy array computers

[NASA-CASE-GSC-11839-3] c 60 N77-32731

Remote sensing of vegetation and soil using microwave ellipsometry

[NASA-CASE-GSC-11976-1] c 43 N78-10529

Memory device for two-dimensional radiant energy array computers

[NASA-CASE-GSC-11839-2] c 60 N78-10709

Apparatus for measuring swelling characteristics of membranes			Position location system and method Patent			Polarization diversity monopulse tracking receiver Patent		
[NASA-CASE-XGS-03865]	c 14	N69-21363	[NASA-CASE-GSC-10087-2]	c 21	N71-13958	[NASA-CASE-XGS-03501]	c 09	N71-20864
Tumbler system to provide random motion			Fire resistant coating composition Patent			System for recording and reproducing pulse code modulated data Patent		
[NASA-CASE-XGS-02437]	c 15	N69-21472	[NASA-CASE-GSC-10072]	c 18	N71-14014	[NASA-CASE-XGS-01021]	c 08	N71-21042
Automatic acquisition system for phase-lock loop			Passively regulated water electrolysis rocket engine Patent			Satellite appendage tie down cord Patent		
[NASA-CASE-XGS-04994]	c 09	N69-21543	[NASA-CASE-XGS-08729]	c 28	N71-14044	[NASA-CASE-XGS-02554]	c 31	N71-21064
Low power drain semi-conductor circuit			Attitude control system Patent			Reaction wheel scanner Patent		
[NASA-CASE-XGS-04999]	c 09	N69-24317	[NASA-CASE-XGS-04393]	c 21	N71-14159	[NASA-CASE-XGS-02629]	c 14	N71-21082
Spacecraft battery seals			Retrodirective modulator Patent			Nonmagnetic, explosive actuated indexing device Patent		
[NASA-CASE-XGS-03864]	c 15	N69-24320	[NASA-CASE-GSC-10062]	c 14	N71-15605	[NASA-CASE-XGS-02422]	c 15	N71-21529
Scanning aspect sensor employing an apertured disc and a commutator			Spacecraft attitude detection system by stellar reference Patent			Bidirectional step torque filter with zero backlash characteristic Patent		
[NASA-CASE-XGS-08266]	c 14	N69-27432	[NASA-CASE-XGS-03431]	c 21	N71-15642	[NASA-CASE-XGS-04227]	c 15	N71-21744
Monopulse system with an electronic scanner			Cartwheel satellite synchronization system Patent			Conforming polisher for aspheric surface of revolution Patent		
[NASA-CASE-XGS-05582]	c 07	N69-27460	[NASA-CASE-XGS-05579]	c 31	N71-15676	[NASA-CASE-XGS-02884]	c 15	N71-22705
Ring counter			Wide range linear fluxgate magnetometer Patent			Precision thrust gage Patent		
[NASA-CASE-XGS-03095]	c 09	N69-27463	[NASA-CASE-XGS-01587]	c 14	N71-15962	[NASA-CASE-XGS-02319]	c 14	N71-22965
Retrodirective optical system			Low friction magnetic recording tape Patent			Sealing device for an electrochemical cell Patent		
[NASA-CASE-XGS-04480]	c 16	N69-27491	[NASA-CASE-XGS-00373]	c 23	N71-15978	[NASA-CASE-XGS-02630]	c 03	N71-22974
Time division multiplex system			Method for etching copper Patent			Rotary bead dropper and selector for testing micrometeorite detectors Patent		
[NASA-CASE-XGS-05918]	c 07	N69-39974	[NASA-CASE-XGS-06306]	c 17	N71-16044	[NASA-CASE-XGS-03304]	c 09	N71-22988
Doppler frequency spread correction device for multiplex transmissions			Bacteriostatic conformal coating and methods of application Patent			Moment of inertia test fixture Patent		
[NASA-CASE-XGS-02749]	c 07	N69-39978	[NASA-CASE-GSC-10007]	c 18	N71-16046	[NASA-CASE-XGS-01023]	c 14	N71-22992
Alkali-metal silicate protective coating			Serrodyne frequency converter re-entrant amplifier system Patent			Fluid flow meter with comparator reference means Patent		
[NASA-CASE-XGS-04119]	c 18	N69-39979	[NASA-CASE-XGS-01022]	c 07	N71-16088	[NASA-CASE-XGS-01331]	c 14	N71-22996
Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope			Position location and data collection system and method Patent			Foamed in place ceramic refractory insulating material Patent		
[NASA-CASE-XGS-01725]	c 14	N69-39982	[NASA-CASE-GSC-10083-1]	c 30	N71-16090	[NASA-CASE-XGS-02435]	c 18	N71-22998
Light sensitive digital aspect sensor Patent			Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent			Digital telemetry system Patent		
[NASA-CASE-XGS-00359]	c 14	N70-34158	[NASA-CASE-XGS-07514]	c 23	N71-16099	[NASA-CASE-XGS-01812]	c 07	N71-23001
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent			Optical tracker having overlapping reticles on parallel axes Patent			Bonded elastomeric seal for electrochemical cells Patent		
[NASA-CASE-XGS-00466]	c 21	N70-34297	[NASA-CASE-XGS-05715]	c 23	N71-16100	[NASA-CASE-XGS-02631]	c 03	N71-23006
Binary magnetic memory device Patent			Self-erecting reflector Patent			Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent		
[NASA-CASE-XGS-00174]	c 08	N70-34743	[NASA-CASE-XGS-09190]	c 31	N71-16102	[NASA-CASE-XGS-02607]	c 31	N71-23009
Full binary adder Patent			Dust particle injector for hypervelocity accelerators Patent			Complementary regenerative switch Patent		
[NASA-CASE-XGS-00689]	c 08	N70-34787	[NASA-CASE-XGS-06628]	c 24	N71-16213	[NASA-CASE-XGS-02751]	c 09	N71-23015
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent			Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent			Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent		
[NASA-CASE-XGS-00381]	c 09	N70-34819	[NASA-CASE-XGS-05291]	c 23	N71-16341	[NASA-CASE-XGS-03427]	c 10	N71-23029
Space and atmospheric reentry vehicle Patent			Angular position and velocity sensing apparatus Patent			Sidereal frequency generator Patent		
[NASA-CASE-XGS-00260]	c 31	N70-37924	[NASA-CASE-XGS-05680]	c 14	N71-17585	[NASA-CASE-XGS-02610]	c 14	N71-23174
Variable frequency magnetic multivibrator Patent			Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent			Solar cell and circuit array and process for nullifying magnetic fields Patent		
[NASA-CASE-XGS-00458]	c 09	N70-38604	[NASA-CASE-XGS-03532]	c 14	N71-17627	[NASA-CASE-XGS-03390]	c 03	N71-23187
Switching mechanism with energy storage means Patent			Omni-directional anisotropic molecular trap Patent			Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent		
[NASA-CASE-XGS-00473]	c 03	N70-38713	[NASA-CASE-XGS-04766]	c 30	N71-17788	[NASA-CASE-XGS-03632]	c 09	N71-23311
Variable frequency magnetic multivibrator Patent			Method of making tubes Patent			Sealed electrochemical cell provided with a flexible casing Patent		
[NASA-CASE-XGS-00131]	c 09	N70-38995	[NASA-CASE-XGS-04175]	c 15	N71-18579	[NASA-CASE-XGS-01513]	c 03	N71-23336
Stretch de-spin mechanism Patent			Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent			Digitally controlled frequency synthesizer Patent		
[NASA-CASE-XGS-00619]	c 30	N70-40016	[NASA-CASE-XGS-03303]	c 08	N71-18595	[NASA-CASE-XGS-02317]	c 09	N71-23525
Folding boom assembly Patent			Ripple add and ripple subtract binary counters Patent			Radio frequency coaxial high pass filter Patent		
[NASA-CASE-XGS-00938]	c 32	N70-41367	[NASA-CASE-XGS-04766]	c 08	N71-18602	[NASA-CASE-XGS-01418]	c 09	N71-23573
Cryogenic connector for vacuum use Patent			Computing apparatus Patent			Apparatus for phase stability determination Patent		
[NASA-CASE-XGS-02441]	c 15	N70-41629	[NASA-CASE-XGS-04765]	c 08	N71-18693	[NASA-CASE-XGS-01118]	c 10	N71-23662
Endless tape cartridge Patent			Stepping motor control circuit Patent			Tape recorder Patent		
[NASA-CASE-XGS-00769]	c 14	N70-41647	[NASA-CASE-GSC-10366-1]	c 10	N71-18772	[NASA-CASE-XGS-08259]	c 14	N71-23698
Apparatus for producing three-dimensional recordings of fluorescence spectra Patent			Traffic control system and method Patent			Balance torque meter Patent		
[NASA-CASE-XGS-01231]	c 14	N70-41676	[NASA-CASE-GSC-10087-1]	c 02	N71-19287	[NASA-CASE-XGS-01013]	c 14	N71-23725
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent			Apparatus for measuring current flow Patent			Mechanical actuator Patent		
[NASA-CASE-XGS-02608]	c 07	N70-41678	[NASA-CASE-XGS-02439]	c 14	N71-19431	[NASA-CASE-XGS-04548]	c 15	N71-24045
Prevention of pressure build-up in electrochemical cells Patent			Synchronous counter Patent			Selective plating of etched circuits without removing previous plating Patent		
[NASA-CASE-XGS-01419]	c 03	N70-41864	[NASA-CASE-XGS-02440]	c 08	N71-19432	[NASA-CASE-XGS-03120]	c 15	N71-24047
Variable time constant smoothing circuit Patent			Wide range data compression system Patent			Alkali metal silicate protective coating Patent		
[NASA-CASE-XGS-01983]	c 10	N70-41964	[NASA-CASE-XGS-02612]	c 08	N71-19435	[NASA-CASE-XGS-04799]	c 18	N71-24183
Endless tape transport mechanism Patent			Apparatus for computing square roots Patent			Strain gauge measuring techniques Patent		
[NASA-CASE-XGS-01223]	c 07	N71-10609	[NASA-CASE-XGS-04768]	c 08	N71-19437	[NASA-CASE-XGS-04478]	c 14	N71-24233
Reversible ring counter employing cascaded single SCR stages Patent			Method and apparatus for battery charge control Patent			Electromagnetic polarization systems and methods Patent		
[NASA-CASE-XGS-01473]	c 09	N71-10673	[NASA-CASE-XGS-05432]	c 03	N71-19438	[NASA-CASE-GSC-10021-1]	c 09	N71-24595
Electronic beam switching commutator Patent			Stable amplifier having a stable quiescent point Patent			Redundant actuating mechanism Patent		
[NASA-CASE-XGS-01451]	c 09	N71-10677	[NASA-CASE-XGS-02812]	c 09	N71-19466	[NASA-CASE-XGS-08718]	c 15	N71-24600
Sun tracker with rotatable plane-parallel plate and two photocells Patent			Tracking antenna system Patent			Satellite communication system and method Patent		
[NASA-CASE-XGS-01159]	c 21	N71-10678	[NASA-CASE-GSC-10553-1]	c 07	N71-19854	[NASA-CASE-GSC-10118-1]	c 07	N71-24621
Non-magnetic battery case Patent			Electrochemical coulometer and method of forming same Patent			Programmable telemetry system Patent		
[NASA-CASE-XGS-00886]	c 03	N71-11053	[NASA-CASE-XGS-05434]	c 03	N71-20491	[NASA-CASE-GSC-10131-1]	c 07	N71-24624
Interconnection of solar cells Patent			Display for binary characters Patent			Coulometer and third electrode battery charging circuit Patent		
[NASA-CASE-XGS-01475]	c 03	N71-11058	[NASA-CASE-XGS-04987]	c 08	N71-20571	[NASA-CASE-GSC-10487-1]	c 03	N71-24719
Frequency shift keyed demodulator Patent			Amplifier clamping circuit for horizon scanner Patent			Electronic scanning of 2-channel monopulse patterns Patent		
[NASA-CASE-XGS-02889]	c 07	N71-11282	[NASA-CASE-XGS-01784]	c 10	N71-20782	[NASA-CASE-GSC-10299-1]	c 09	N71-24804
Bi-polar phase detector and corrector for split phase PCM data signals Patent			Diversity receiving system with diversity phase lock Patent			Annular slit collod thorutor Patent		
[NASA-CASE-XGS-01590]	c 07	N71-12392	[NASA-CASE-XGS-01222]	c 10	N71-20841	[NASA-CASE-GSC-10709-1]	c 28	N71-25213
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent			Signal detection and tracking apparatus Patent					
[NASA-CASE-XGS-04767]	c 08	N71-12494	[NASA-CASE-XGS-03502]	c 10	N71-20852			

C-20

Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635

Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891

Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053

Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489

Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946

Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429

Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333

Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479

Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751

Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464

Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495

Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

The 2 deg/90 deg laboratory scattering photometer
[NASA-CASE-GSC-12088-1] c 74 N78-13874

Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295

Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905

Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426

Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338

Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340

Method and apparatus for splitting a beam of energy
[NASA-CASE-GSC-12083-1] c 73 N78-32848

Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338

System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694

Systems and methods for determining radio frequency interference
[NASA-CASE-GSC-12150-1] c 32 N79-11265

Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321

Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156

External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362

Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891

Thermal compensator for closed-cycle helium refrigerator
[NASA-CASE-GSC-12168-1] c 31 N79-17029

Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314

Low intensity X-ray and gamma-ray imaging device
[NASA-CASE-GSC-12263-1] c 74 N79-20857

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416

Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549

Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550

Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523

Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449

Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450

Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469

Antenna deployment mechanism for use with a spacecraft
[NASA-CASE-GSC-12331-1] c 18 N80-14183

Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384

Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398

Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951

Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140

Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719

Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655

Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578

Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583

Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717

System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221

Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320

Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392

Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344

Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360

Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342

Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403

Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465

Microwave switching power divider
[NASA-CASE-GSC-12420-1] c 33 N82-16340

Laser measuring system for incremental assemblies
[NASA-CASE-GSC-12321-1] c 36 N82-16396

Memory-based frame synchronizer
[NASA-CASE-GSC-12430-1] c 60 N82-16747

Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419

Linear magnetic motor/generator
[NASA-CASE-GSC-12518-1] c 33 N82-24421

Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422

Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471

Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641

Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642

Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643

Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644

Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645

Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863

Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730

Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378

Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078

Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058

Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N83-27569

Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064

Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 34 N83-28356

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324

Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067

Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577

Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039

Active lamp pulse driver circuit
[NASA-CASE-GSC-12566-1] c 33 N83-34189

High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191

Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323

Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307

Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355

High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898

Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920

Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491

Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492

Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421

Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N84-14461

Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509

High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454

Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546

Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887

Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248

Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065

Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082

Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083

Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491

Imaging X-ray spectrometer [NASA-CASE-GSC-12682-1]	c 35	N84-33765	Phonocardiogram simulator Patent [NASA-CASE-XKS-10804]	c 05	N71-24606	Microcomputerized electric field meter diagnostic and calibration system [NASA-CASE-KSC-11035-1]	c 35	N78-28411
Apparatus for disintegrating kidney stones [NASA-CASE-GSC-12652-1]	c 52	N84-34913	VHF/UHF parasitic probe antenna Patent [NASA-CASE-XKS-09340]	c 07	N71-24614	Ocean thermal plant [NASA-CASE-KSC-11034-1]	c 44	N78-32542
Improved legislated emergency locating transmitters and emergency position indicating radio beacons [NASA-CASE-GSC-12892-1]	c 32	N85-20226	BCD to decimal decoder Patent [NASA-CASE-XKS-06167]	c 08	N71-24890	Lightning current waveform measuring system [NASA-CASE-KSC-11018-1]	c 33	N79-10337
Portable pallet weighing apparatus [NASA-CASE-GSC-12789-1]	c 35	N85-20294	Flammability test chamber Patent [NASA-CASE-KSC-10126]	c 11	N71-24985	Remote lightning monitor system [NASA-CASE-KSC-11031-1]	c 33	N79-11315
Linear magnetic bearings [NASA-CASE-GSC-12582-2]	c 37	N85-20337	Video sync processor Patent [NASA-CASE-KSC-10002]	c 10	N71-25865	Illumination control apparatus for compensating solar light [NASA-CASE-KSC-11010-1]	c 74	N79-12890
Method and apparatus for mapping the distribution of chemical elements in an extended medium [NASA-CASE-GSC-12808-1]	c 25	N85-21279	Weld preparation machine Patent [NASA-CASE-XKS-07953]	c 15	N71-26134	Lightning current detector [NASA-CASE-KSC-11057-1]	c 33	N79-14305
Magnetically actuated compressor [NASA-CASE-GSC-12799-1]	c 31	N85-21404	Validation device for spacecraft checkout equipment Patent [NASA-CASE-XKS-10543]	c 07	N71-26292	Apparatus including a plurality of spaced transformers for locating short circuits in cables [NASA-CASE-KSC-10899-1]	c 33	N79-18193
Method of and apparatus for measuring temperature and pressure [NASA-CASE-GSC-12558-1]	c 36	N85-21639	Internal work light Patent [NASA-CASE-XKS-05932]	c 09	N71-26787	Digital automatic gain amplifier [NASA-CASE-KSC-11008-1]	c 33	N79-22373
Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture [NASA-CASE-GSC-12883-1]	c 27	N85-29044	Emergency escape system Patent [NASA-CASE-XKS-07814]	c 15	N71-27067	Telephone multiline signaling using common signal pair [NASA-CASE-KSC-11023-1]	c 32	N79-23310
Reactanceless synthesized impedance bandpass amplifier [NASA-CASE-GSC-12788-1]	c 33	N85-29145	Voltage dropout sensor Patent [NASA-CASE-KSC-10020]	c 10	N71-27338	Prosthesis coupling [NASA-CASE-KSC-11069-1]	c 52	N79-26772
High voltage isolation transformer [NASA-CASE-GSC-12817-1]	c 33	N85-29146	Autoignition test cell Patent [NASA-CASE-KSC-10198]	c 11	N71-28629	Fire extinguishing apparatus having a slidable mass for a penetrator nozzle [NASA-CASE-KSC-11064-1]	c 31	N81-14137
High voltage power supply [NASA-CASE-GSC-12818-1]	c 33	N85-29147	Protective suit having an audio transceiver Patent [NASA-CASE-KSC-10164]	c 07	N71-33108	System for sterilizing objects [NASA-CASE-KSC-11085-1]	c 54	N81-24724
Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects [NASA-CASE-GSC-12851-1]	c 35	N85-30281	Ripple indicator [NASA-CASE-KSC-10162]	c 09	N72-11225	Common data buffer system [NASA-CASE-KSC-11048-1]	c 62	N81-24779
JFET reflection oscillator [NASA-CASE-GSC-12555-1]	c 33	N86-19515	High speed photo-optical time recording [NASA-CASE-KSC-10294]	c 14	N72-18411	System and method for refurbishing and processing parachutes [NASA-CASE-KSC-11042-2]	c 02	N81-26073
Temperature averaging thermal probe [NASA-CASE-GSC-12795-1]	c 35	N86-19580	High speed direct binary-to-binary coded decimal converter [NASA-CASE-KSC-10326]	c 08	N72-21197	Decommutator patchboard verifier [NASA-CASE-KSC-11065-1]	c 33	N81-26359
Cutting head for ultrasonic lithotripsy [NASA-CASE-GSC-12944-1]	c 52	N86-19885	Automatic frequency control loop including synchronous switching circuits [NASA-CASE-KSC-10393]	c 09	N72-21247	Automatic flowmeter calibration system [NASA-CASE-KSC-11076-1]	c 34	N81-26402
GaAs Schottky barrier photo-responsive device and method of fabrication [NASA-CASE-GSC-12816-1]	c 76	N86-20150	Zero gravity shadow shield aligner [NASA-CASE-KSC-10622-1]	c 31	N72-21893	Lightning discharge identification system [NASA-CASE-KSC-11099-1]	c 47	N82-24779
Three axis attitude control system [NASA-CASE-GSC-12970-1]	c 08	N86-20396	Universal environment package with sectional component housing [NASA-CASE-KSC-10031]	c 15	N72-22486	Method for refurbishing and processing parachutes [NASA-CASE-KSC-11042-1]	c 09	N82-29330
Automatic oscillator frequency control system [NASA-CASE-GSC-12804-1]	c 33	N86-20668	Buffered analog converter [NASA-CASE-KSC-10397]	c 08	N72-25206	Method for repair of thin glass coatings [NASA-CASE-KSC-11097-1]	c 27	N82-33520
Rotatable electric cable connecting system [NASA-CASE-GSC-12899-1]	c 33	N86-20669	Lamp modulator [NASA-CASE-KSC-10565]	c 09	N72-25250	Serial data correlator/code translator [NASA-CASE-KSC-11025-1]	c 32	N83-13323
Programmable electronic synthesized capacitance [NASA-CASE-GSC-12961-1]	c 33	N86-20679	Cable stabilizer for open shaft cable operated elevators [NASA-CASE-KSC-10513]	c 15	N72-25453	Fiber optic crossbar switch for automatically patching optical signals [NASA-CASE-KSC-11104-1]	c 74	N83-29032
Optical multiple sample vacuum integrating sphere [NASA-CASE-GSC-12849-1]	c 74	N86-26190	Pressurized lighting system [NASA-CASE-KSC-10644]	c 09	N72-27227	Automatic level control circuit [NASA-CASE-KSC-11170-1]	c 33	N83-36356
Wide-angle flat field telescope [NASA-CASE-GSC-12825-1]	c 74	N86-28732	High speed direct binary to binary coded decimal converter and scaler [NASA-CASE-KSC-10595]	c 08	N73-12176	Liquid hydrogen polygeneration system and process [NASA-CASE-KSC-11304-1]	c 28	N84-29017
Multispectral linear array multiband selection device [NASA-CASE-GSC-12911-1]	c 74	N86-29650	Geysering inhibitor for vertical cryogenic transfer pipe [NASA-CASE-KSC-10615]	c 15	N73-12486	Inflight IFR procedures simulator [NASA-CASE-KSC-11218-1]	c 09	N85-19990
Optical distance measuring instrument [NASA-CASE-GSC-12761-1]	c 74	N86-32266	Electronic video editor [NASA-CASE-KSC-10003]	c 10	N73-13235	Video processor for air traffic control beacon system [NASA-CASE-KSC-11155-1]	c 04	N86-19304
Method of coating a substrate with a rapidly solidified metal [NASA-CASE-GSC-12880-1]	c 26	N86-32550	Collapsible high gain antenna [NASA-CASE-KSC-10392]	c 07	N73-26117	Liquid hydrogen polygeneration system and process [NASA-CASE-KSC-11304-2]	c 28	N86-23744
Cellular thermosetting fluoropolymers and process for making them [NASA-CASE-GSC-13008-1]	c 27	N86-32570	Floating baffle to improve efficiency of liquid transfer from tanks [NASA-CASE-KSC-10639]	c 15	N73-26472	Method and apparatus for operating on compacted PCM voice data [NASA-CASE-KSC-11285-1]	c 32	N86-27513
Temperature sensitive oscillator [NASA-CASE-GSC-12958-1]	c 33	N86-32624	Zero gravity liquid transfer screen [NASA-CASE-KSC-10626]	c 14	N73-27378	National Aeronautics and Space Administration. Lyndon B. Johnson Space Center, Houston, Tex.		
Method of fabricating an imaging X-ray spectrometer [NASA-CASE-GSC-12956-1]	c 35	N87-14671	Television multiplexing system [NASA-CASE-KSC-10654-1]	c 07	N73-30115	Coupling device [NASA-CASE-XMS-07846-1]	c 09	N69-21927
Radial and torsionally controlled magnetic bearing [NASA-CASE-GSC-12957-1]	c 37	N87-17038	Lightning tracking system [NASA-CASE-KSC-10729-1]	c 09	N73-32110	Flow test device [NASA-CASE-XMS-04917]	c 14	N69-24257
National Aeronautics and Space Administration. John F. Kennedy Space Center, Cocoa Beach, Fla.			Rocket borne instrument to measure electric fields inside electrified clouds [NASA-CASE-KSC-10730-1]	c 14	N73-32318	Visual target for retrofire attitude control [NASA-CASE-XMS-12158-1]	c 31	N69-27499
Device for determining the accuracy of the flare on a flared tube [NASA-CASE-XKS-03495]	c 14	N69-39785	Electric field measuring and display system [NASA-CASE-KSC-10731-1]	c 33	N74-27862	System for monitoring signal amplitude ranges [NASA-CASE-XMS-04061-1]	c 09	N69-39885
Quick attach and release fluid coupling assembly Patent [NASA-CASE-XKS-01985]	c 15	N71-10782	Digital servo controller [NASA-CASE-KSC-10769-1]	c 33	N74-29556	Amplifier drift tester [NASA-CASE-XMS-05562-1]	c 09	N69-39986
Parasitic probe antenna Patent [NASA-CASE-XKS-09348]	c 09	N71-13521	Signal conditioner test set [NASA-CASE-KSC-10750-1]	c 35	N75-12270	System for improving signal-to-noise ratio of a communication signal Patent Application [NASA-CASE-MSC-12259-1]	c 07	N70-12616
Electronic checkout system for space vehicles Patent [NASA-CASE-XKS-08012-2]	c 31	N71-15566	Variable resistance constant tension and lubrication device [NASA-CASE-KSC-10723-1]	c 37	N75-13265	Two-step rocket engine bipropellant valve Patent [NASA-CASE-XMS-04890-1]	c 15	N70-22192
Apparatus for tensile testing Patent [NASA-CASE-XKS-06250]	c 14	N71-15600	Voltage monitoring system [NASA-CASE-KSC-10736-1]	c 33	N75-19521	Heat shield Patent [NASA-CASE-XMS-00486]	c 33	N70-33344
Weatherproof helix antenna Patent [NASA-CASE-XKS-08485]	c 07	N71-19493	Lightning current measuring systems [NASA-CASE-KSC-10807-1]	c 33	N75-26246	Life raft Patent [NASA-CASE-XMS-00863]	c 05	N70-34857
Valve seat with resilient support member Patent [NASA-CASE-XKS-02582]	c 15	N71-21234	Dual digital video switcher [NASA-CASE-KSC-10782-1]	c 33	N75-30431	Shock absorbing support and restraint means Patent [NASA-CASE-XMS-01240]	c 05	N70-35152
Diode and protection fuse unit Patent [NASA-CASE-XKS-03381]	c 09	N71-22796	Compact-bi-phase pulse coded modulation decoder [NASA-CASE-KSC-10834-1]	c 33	N76-14371	Energy absorbing structure Patent Application [NASA-CASE-MSC-12279-1]	c 15	N70-35679
Optical monitor panel Patent [NASA-CASE-XKS-03509]	c 14	N71-23175	Percutaneous connector device [NASA-CASE-KSC-10849-1]	c 52	N77-14738	Bonded solid lubricant coating Patent [NASA-CASE-XMS-00259]	c 18	N70-36400
Separation simulator Patent [NASA-CASE-XKS-04631]	c 10	N71-23663	Magnetic electrical connectors for biomedical percutaneous implants [NASA-CASE-KSC-11030-1]	c 52	N77-25772	Life preserver Patent [NASA-CASE-XMS-00864]	c 05	N70-36493
Controlled release device Patent [NASA-CASE-XKS-03338]	c 15	N71-24043	Rotational joint assembly for the prosthetic leg [NASA-CASE-KSC-11004-1]	c 54	N77-30749	Resuscitation apparatus Patent [NASA-CASE-XMS-01115]	c 05	N70-39922
			Fiber optic multiplex optical transmission system [NASA-CASE-KSC-11047-1]	c 74	N78-14889	Inflatable radar reflector unit Patent [NASA-CASE-XMS-00893]	c 07	N70-40063

Measuring device Patent [NASA-CASE-XMS-01546]	c 14	N70-40233	Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent [NASA-CASE-XMS-02930]	c 11	N71-23042	Solid state controller three axes controller [NASA-CASE-MSC-12394-1]	c 08	N74-10942
Liquid-gas separator for zero gravity environment Patent [NASA-CASE-XMS-01492]	c 05	N70-41297	Soft frame adjustable eyeglasses Patent [NASA-CASE-XMS-06064]	c 05	N71-23096	Method for obtaining oxygen from lunar or similar soil [NASA-CASE-MSC-12408-1]	c 46	N74-13011
Instrument for use in performing a controlled Valsalva maneuver Patent [NASA-CASE-XMS-01615]	c 05	N70-41329	Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent [NASA-CASE-XMS-06061]	c 05	N71-23317	Adaptive voting computer system [NASA-CASE-MSC-13932-1]	c 62	N74-14920
Radial module space station Patent [NASA-CASE-XMS-01906]	c 31	N70-41373	Signal ratio system utilizing voltage controlled oscillators Patent [NASA-CASE-XMF-04367]	c 09	N71-23545	Phase protection system for ac power lines [NASA-CASE-MSC-17832-1]	c 33	N74-14956
Hypersonic reentry vehicle Patent [NASA-CASE-XMS-04142]	c 31	N70-41631	Winch having cable position and load indicators Patent [NASA-CASE-MSC-12052-1]	c 15	N71-24599	Optical instruments [NASA-CASE-MSC-14096-1]	c 74	N74-15095
Angular accelerometer Patent [NASA-CASE-XMS-05936]	c 14	N70-41682	Radar antenna system for acquisition and tracking Patent [NASA-CASE-XMS-09610]	c 07	N71-24625	Multifunction audio digitizer [NASA-CASE-MSC-13855-1]	c 35	N74-17885
Indexed keyed connection Patent [NASA-CASE-XMS-02532]	c 15	N70-41808	Extravehicular tunnel suit system Patent [NASA-CASE-MSC-12243-1]	c 05	N71-24728	Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient [NASA-CASE-ERC-10073-1]	c 24	N74-19769
Discrete local altitude sensing device Patent [NASA-CASE-XMS-03792]	c 14	N70-41812	Broadband modified turnstile antenna Patent [NASA-CASE-MSC-12209]	c 09	N71-24842	Pulse code modulated signal synchronizer [NASA-CASE-MSC-12462-1]	c 32	N74-20809
Cryogenic storage system Patent [NASA-CASE-XMS-04390]	c 31	N70-41871	Quick release hook tape Patent [NASA-CASE-XMS-10660-1]	c 15	N71-25975	Pulse code modulated signal synchronizer [NASA-CASE-MSC-12494-1]	c 32	N74-20810
Mass measuring system Patent [NASA-CASE-XMS-03371]	c 05	N70-42000	Plated electrodes Patent [NASA-CASE-XMS-04213-1]	c 09	N71-26002	Apparatus and method for processing Korotkov sounds [NASA-CASE-MSC-13999-1]	c 52	N74-26626
Line cutter Patent [NASA-CASE-XMS-04072]	c 15	N70-42017	Audio signal processor Patent [NASA-CASE-MSC-12223-1]	c 07	N71-26181	Differential phase shift keyed communication system [NASA-CASE-MSC-14065-1]	c 32	N74-26654
Transpirationally cooled heat ablation system Patent [NASA-CASE-XMS-02677]	c 31	N70-42075	Fabric for micrometeoroid protection garment Patent [NASA-CASE-MSC-12109]	c 18	N71-26285	Technique for recovery of voice data from heat damaged magnetic tape [NASA-CASE-MSC-14219-1]	c 32	N74-27612
Voltage-current characteristic simulator Patent [NASA-CASE-XMS-01554]	c 10	N71-10578	Antenna array phase quadrature tracking system Patent [NASA-CASE-MSC-12205-1]	c 07	N71-27056	Differential phase shift keyed signal resolver [NASA-CASE-MSC-14066-1]	c 33	N74-27705
Training vehicle for controlling attitude Patent [NASA-CASE-XMS-02977]	c 11	N71-10746	Radiometric temperature reference Patent [NASA-CASE-MSC-13276-1]	c 14	N71-27058	Specific wavelength colorimeter [NASA-CASE-MSC-14081-1]	c 35	N74-27860
Gravity stabilized flying vehicle Patent [NASA-CASE-MSC-12111-1]	c 02	N71-11039	Pneumatic amplifier Patent [NASA-CASE-MSC-12121-1]	c 15	N71-27147	Latch mechanism [NASA-CASE-MSC-12549-1]	c 37	N74-27903
Helmet assembly and latch means therefor Patent [NASA-CASE-XMS-04935]	c 05	N71-11190	Orbital escape device Patent [NASA-CASE-XMS-06162]	c 31	N71-28851	Digital communication system [NASA-CASE-MSC-13912-1]	c 32	N74-30524
Pressure suit tie-down mechanism Patent [NASA-CASE-XMS-00784]	c 05	N71-12335	Inflatable tether Patent [NASA-CASE-XMS-10993]	c 15	N71-28936	Flexible joint for pressurizable garment [NASA-CASE-MSC-11072]	c 54	N74-32546
Hand-held self-manuevering unit Patent [NASA-CASE-XMS-05304]	c 05	N71-12336	Ion-exchange membrane with platinum electrode assembly Patent [NASA-CASE-XMS-02063]	c 03	N71-29044	Method and apparatus for decoding compatible convolutional codes [NASA-CASE-MSC-14070-1]	c 32	N74-32598
Pressure garment joint Patent [NASA-CASE-XMS-09636]	c 05	N71-12344	Color television system [NASA-CASE-MSC-12146-1]	c 07	N72-17109	Pulse stretcher for narrow pulses [NASA-CASE-MSC-14130-1]	c 33	N74-32711
Emergency escape system Patent [NASA-CASE-MSC-12086-1]	c 05	N71-12345	Current dependent filter inductance [NASA-CASE-ERC-10139]	c 09	N72-17154	Method and device for detection of surface discontinuities or defects [NASA-CASE-MSC-14187-1]	c 35	N74-32879
Dynamic Doppler simulator Patent [NASA-CASE-XMS-05454-1]	c 07	N71-12391	Low onset rate energy absorber [NASA-CASE-MSC-12279]	c 15	N72-17450	Anti-fog composition [NASA-CASE-MSC-13530-2]	c 23	N75-14834
Electrical load protection device Patent [NASA-CASE-MSC-12135-1]	c 09	N71-12526	Stand-off type ablative heat shield [NASA-CASE-MSC-12143-1]	c 33	N72-17947	Four phase logic systems [NASA-CASE-MSC-14240-1]	c 33	N75-14957
High voltage pulse generator Patent [NASA-CASE-MSC-12178-1]	c 09	N71-13518	Optical range finder having nonoverlapping complete images [NASA-CASE-MSC-12105-1]	c 14	N72-21409	Peak holding circuit for extremely narrow pulses [NASA-CASE-MSC-14129-1]	c 33	N75-18479
Process for conditioning tanned sharkskin and articles made therefrom Patent [NASA-CASE-XMS-09691-1]	c 18	N71-15545	Open type urine receptacle [NASA-CASE-MSC-12324-1]	c 05	N72-22093	Random pulse generator [NASA-CASE-MSC-14131-1]	c 33	N75-19515
Ablation structures Patent [NASA-CASE-XMS-01816]	c 33	N71-15623	Family of frequency to amplitude converters [NASA-CASE-MSC-12395]	c 09	N72-25257	Grain refinement control in TIG arc welding [NASA-CASE-MSC-19095-1]	c 37	N75-19683
Fluid power transmission Patent [NASA-CASE-XMS-01445]	c 12	N71-16031	Foldable construction block [NASA-CASE-MSC-12233-1]	c 15	N72-25454	Condensate removal device for heat exchanger [NASA-CASE-MSC-14143-1]	c 77	N75-20139
Spacecraft radiator cover Patent [NASA-CASE-MSC-12049]	c 31	N71-16080	Method and apparatus for detecting surface ions on silicon diodes and transistors [NASA-CASE-ERC-10325]	c 15	N72-25457	Television noise reduction device [NASA-CASE-MSC-12607-1]	c 32	N75-21485
Method of improving heat transfer characteristics in a nucleate boiling process Patent [NASA-CASE-XMS-04268]	c 33	N71-16277	Scientific experiment flexible mount [NASA-CASE-MSC-12372-1]	c 31	N72-25842	Digital transmitter for data bus communications system [NASA-CASE-MSC-14558-1]	c 32	N75-21486
Heated element fluid flow sensor Patent [NASA-CASE-MSC-12084-1]	c 12	N71-17569	Burn rate testing apparatus [NASA-CASE-XMS-09690]	c 33	N72-25913	Insulated electrocardiographic electrodes [NASA-CASE-MSC-14339-1]	c 05	N75-24716
Biological isolation garment Patent [NASA-CASE-MSC-12206-1]	c 05	N71-17599	System for improving signal-to-noise ratio of a communication signal [NASA-CASE-MSC-12259-2]	c 07	N72-33146	Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system [NASA-CASE-MSC-12425-1]	c 18	N75-27041
Metal valve pintle with encapsulated elastomeric body Patent [NASA-CASE-MSC-12116-1]	c 15	N71-17648	Altitude measuring system [NASA-CASE-ERC-10412-1]	c 09	N73-12211	Multiple circuit protector device [NASA-CASE-XMS-02744]	c 33	N75-27249
Method for forming plastic materials Patent [NASA-CASE-XMS-05516]	c 15	N71-17803	A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth [NASA-CASE-MSC-12391]	c 30	N73-12884	Apparatus for welding sheet material [NASA-CASE-XMS-01330]	c 37	N75-27376
Flexible blade antenna Patent [NASA-CASE-MSC-12101]	c 09	N71-18720	Multispectral imaging system [NASA-CASE-MSC-12404-1]	c 23	N73-13661	Multiparameter vision testing apparatus [NASA-CASE-MSC-13601-2]	c 54	N75-27759
Space suit heat exchanger Patent [NASA-CASE-XMS-09571]	c 05	N71-19439	Foldable construction block [NASA-CASE-MSC-12233-2]	c 32	N73-13921	Thrust measurement [NASA-CASE-XMS-05731]	c 35	N75-29382
Light intensity modulator controller Patent [NASA-CASE-XMS-04300]	c 09	N71-19479	Space shuttle vehicle and system [NASA-CASE-MSC-12433]	c 31	N73-14854	Fault tolerant clock apparatus utilizing a controlled minority of clock elements [NASA-CASE-MSC-12531-1]	c 35	N75-30504
Solar optical telescope dome control system Patent [NASA-CASE-MSC-10966]	c 14	N71-19568	Apparatus for statistical time-series analysis of electrical signals [NASA-CASE-MSC-12428-1]	c 10	N73-25240	Filter regeneration systems [NASA-CASE-MSC-14273-1]	c 34	N75-33342
Subgravity simulator Patent [NASA-CASE-XMS-04798]	c 11	N71-21474	Life raft stabilizer [NASA-CASE-MSC-12393-1]	c 02	N73-26006	Spacecraft docking and alignment system [NASA-CASE-MSC-12559-1]	c 18	N76-14186
Shock absorber Patent [NASA-CASE-XMS-03722]	c 15	N71-21530	On-film optical recording of camera lens settings [NASA-CASE-MSC-12363-1]	c 14	N73-26431	Reconstituted asbestos matrix [NASA-CASE-MSC-12568-1]	c 24	N76-14204
Apparatus for machining geometric cones Patent [NASA-CASE-XMS-04292]	c 15	N71-22722	Powerplexer [NASA-CASE-MSC-12396-1]	c 03	N73-31988	Strain arrestor plate for fused silica tile [NASA-CASE-MSC-14182-1]	c 27	N76-14264
Rescue litter flotation assembly Patent [NASA-CASE-XMS-04170]	c 05	N71-22748	Foot pedal operated fluid type exercising device [NASA-CASE-MSC-11561-1]	c 05	N73-32014	Medical subject monitoring systems [NASA-CASE-MSC-14180-1]	c 52	N76-14757
Aligning and positioning device Patent [NASA-CASE-XMS-04178]	c 15	N71-22798	Digital to analog conversion apparatus [NASA-CASE-MSC-12458-1]	c 08	N73-32081	Automatic biowaste sampling [NASA-CASE-MSC-14640-1]	c 54	N76-14804
Tension measurement device Patent [NASA-CASE-XMS-04545]	c 15	N71-22878				Method for manufacturing mirrors in zero gravity environment [NASA-CASE-MSC-12611-1]	c 12	N76-15189
Amplitude modulated laser transmitter Patent [NASA-CASE-XMS-04269]	c 16	N71-22895				Cosmic dust analyzer [NASA-CASE-MSC-13802-2]	c 35	N76-15431
Digital cardiometer system Patent [NASA-CASE-XMS-02399]	c 05	N71-22896						
Phonocardiograph transducer Patent [NASA-CASE-XMS-05365]	c 14	N71-22993						

Low distortion receiver for bi-level baseband PCM waveforms			Helmet feedport			Installing fiber insulation		
[NASA-CASE-MSC-14557-1]	c 32	N76-16249	[NASA-CASE-XMS-09653]	c 54	N78-17680	[NASA-CASE-MSC-16973-1]	c 37	N81-14317
Frequency measurement by coincidence detection with standard frequency			Optical conversion method			Pseudonoise code tracking loop		
[NASA-CASE-MSC-14649-1]	c 33	N76-16331	[NASA-CASE-MSC-12618-1]	c 74	N78-17865	[NASA-CASE-MSC-18035-1]	c 32	N81-15179
Space vehicle system			Emergency space-suit helmet			Thermal barrier pressure seal		
[NASA-CASE-MSC-12561-1]	c 18	N76-17185	[NASA-CASE-MSC-10954-1]	c 54	N78-18761	[NASA-CASE-MSC-18134-1]	c 37	N81-15363
Method of fluxless brazing and diffusion bonding of aluminum containing components			Method of producing complex aluminum alloy parts of high temper, and products thereof			Digital numerically controlled oscillator		
[NASA-CASE-MSC-14435-1]	c 37	N76-18455	[NASA-CASE-MSC-19693-1]	c 26	N78-24333	[NASA-CASE-MSC-16747-1]	c 33	N81-17349
Auger attachment method for insulation			Stator rotor tools			Self-calibrating threshold detector		
[NASA-CASE-MSC-12615-1]	c 37	N76-19437	[NASA-CASE-MSC-16000-1]	c 37	N78-24544	[NASA-CASE-MSC-16370-1]	c 35	N81-19427
Position determination systems			Flexible pile thermal barrier insulator			Cell and method for electrolysis of water and anode		
[NASA-CASE-MSC-12593-1]	c 17	N76-21250	[NASA-CASE-MSC-19568-1]	c 34	N78-25350	[NASA-CASE-MSC-16394-1]	c 28	N81-24280
Two-component ceramic coating for silica insulation			Fluid valve assembly			Urine collection device		
[NASA-CASE-MSC-14270-1]	c 27	N76-22377	[NASA-CASE-MSC-12731-1]	c 37	N78-25426	[NASA-CASE-MSC-16433-1]	c 52	N81-24711
Three-component ceramic coating for silica insulation			Variable contour securing system			Apparatus for fiber optic liquid level sensing		
[NASA-CASE-MSC-14270-2]	c 27	N76-23426	[NASA-CASE-MSC-16270-1]	c 37	N78-27423	[NASA-CASE-MSC-18674-1]	c 74	N81-24907
Binary concatenated coding system			Multi-purpose wind tunnel reaction control model block			Method for applying photographic resists to otherwise incompatible substrates		
[NASA-CASE-MSC-14082-1]	c 60	N76-23850	[NASA-CASE-MSC-19706-1]	c 09	N78-31129	[NASA-CASE-MSC-18107-1]	c 27	N81-25209
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant			Heat resistant polymers of oxidized styrylphosphine			Structural members, method and apparatus		
[NASA-CASE-MSC-14331-1]	c 27	N76-24405	[NASA-CASE-MSC-14903-1]	c 27	N78-32256	[NASA-CASE-MSC-16217-1]	c 31	N81-27323
Self-contained breathing apparatus			Condition sensor system and method			Shielded conductor cable system		
[NASA-CASE-MSC-14733-1]	c 54	N76-24900	[NASA-CASE-MSC-14805-1]	c 54	N78-32720	[NASA-CASE-MSC-12745-1]	c 33	N81-27397
Sun angle calculator			Bit error rate measurement above and below bit rate tracking threshold			Urine collection apparatus		
[NASA-CASE-MSC-12617-1]	c 35	N76-29552	[NASA-CASE-MSC-12743-1]	c 32	N79-10263	[NASA-CASE-MSC-18381-1]	c 52	N81-28740
Meteoroid capture cell construction			Phased array antenna control			Reciprocating engines		
[NASA-CASE-MSC-12423-1]	c 91	N76-30131	[NASA-CASE-MSC-14939-1]	c 32	N79-11264	[NASA-CASE-MSC-16239-1]	c 37	N81-32510
Flanged major modular assembly jig			Apparatus and method for stabilized phase detection for binary signal tracking loops			Cavity-backed, micro-strip dipole antenna array		
[NASA-CASE-MSC-19372-1]	c 39	N76-31562	[NASA-CASE-MSC-14641-1]	c 33	N79-11313	[NASA-CASE-MSC-18606-1]	c 32	N82-11336
Optical noise suppression device and method			Positive isolation disconnect			Low temperature latching solenoid		
[NASA-CASE-MSC-12640-1]	c 74	N76-31998	[NASA-CASE-MSC-16043-1]	c 37	N79-11402	[NASA-CASE-MSC-18106-1]	c 33	N82-11357
Optical process for producing classification maps from multispectral data			Thermal insulation attaching means			Logic-controlled occlusive cuff system		
[NASA-CASE-MSC-14472-1]	c 43	N77-10584	[NASA-CASE-MSC-12619-2]	c 27	N79-12221	[NASA-CASE-MSC-14836-1]	c 52	N82-11770
Window defect planar mapping technique			Lightweight electrically-powered flexible thermal laminate			Electrophotolysis oxidation system for measurement of organic concentration in water		
[NASA-CASE-MSC-19442-1]	c 74	N77-10899	[NASA-CASE-MSC-12662-1]	c 33	N79-12331	[NASA-CASE-MSC-16497-1]	c 25	N82-12166
Differential pulse code modulation			Simultaneous treatment of SO2 containing stack gases and waste water			Heat sealable, flame and abrasion resistant coated fabric		
[NASA-CASE-MSC-12506-1]	c 32	N77-12239	[NASA-CASE-MSC-16258-1]	c 45	N79-12584	[NASA-CASE-MSC-18382-1]	c 27	N82-16238
Method and system for in vivo measurement of bone tissue using a two level energy source			Length mode piezoelectric ultrasonic transducer for inspection of solid objects			Surface conforming thermal/pressure seal		
[NASA-CASE-MSC-14276-1]	c 52	N77-14737	[NASA-CASE-MSC-19672-1]	c 38	N79-14398	[NASA-CASE-MSC-18422-1]	c 37	N82-16408
Analysis of volatile organic compounds			Interactive color display for multispectral imagery using correlation clustering			Direct current ballast circuit for metal halide lamp		
[NASA-CASE-MSC-14428-1]	c 23	N77-17161	[NASA-CASE-MSC-16253-1]	c 32	N79-20297	[NASA-CASE-MSC-18407-1]	c 33	N82-24427
System for producing chroma signals			Sequencing device utilizing planetary gear set			Precision heat forming of tetrafluoroethylene tubing		
[NASA-CASE-MSC-14683-1]	c 74	N77-18893	[NASA-CASE-MSC-19514-1]	c 37	N79-20377	[NASA-CASE-MSC-18430-1]	c 37	N82-24491
Fluid mass sensor for a zero gravity environment			Water separator			High temperature penetrator assembly with bayonet plug and ramp-activated lock		
[NASA-CASE-MSC-14653-1]	c 35	N77-19385	[NASA-CASE-XMS-01295-1]	c 37	N79-21345	[NASA-CASE-MSC-18526-1]	c 37	N82-

Degassifying and mixing apparatus for liquids [NASA-CASE-MSC-18936-1]	c 35	N83-29652	Multi-leg heat pipe evaporator [NASA-CASE-MSC-20812-1]	c 34	N86-27593	Spherical solid-propellant rocket motor Patent [NASA-CASE-XLA-00105]	c 28	N70-33331
Apparatus for accurately preloading auger attachment means for frangible protective material [NASA-CASE-MSC-18791-1]	c 37	N83-36482	Monogroove cold plate [NASA-CASE-MSC-20946-1]	c 34	N86-32661	Jet aircraft configuration Patent [NASA-CASE-XLA-00087]	c 02	N70-33332
Automatic compression adjusting mechanism for internal combustion engines [NASA-CASE-MSC-18807-1]	c 37	N83-36483	Foldable self-erecting joint [NASA-CASE-MSC-20635-1]	c 18	N87-14373	Aerial capsule emergency separation device Patent [NASA-CASE-XLA-00115]	c 03	N70-33343
Absorbent product and articles made therefrom [NASA-CASE-MSC-18223-2]	c 54	N84-11758	Acoustic emission frequency discrimination [NASA-CASE-MSC-20467-1]	c 35	N87-14676	Nozzle Patent [NASA-CASE-XLA-00154]	c 28	N70-33374
Method and technique for installing light-weight, fragile, high-temperature fiber insulation [NASA-CASE-MSC-16934-3]	c 24	N84-16262	Real-time garbage collection for list processing [NASA-CASE-MSC-20964-1]	c 60	N87-14863	Air frame drag balance Patent [NASA-CASE-XLA-00113]	c 14	N70-33386
Method and apparatus for simulating gravitational forces on a living organism [NASA-CASE-MSC-20202-1]	c 54	N84-16803	Mobile remote manipulator system for a tetrahedral truss [NASA-CASE-MSC-20985-1]	c 18	N87-15260	Flexible foam erectable space structures Patent [NASA-CASE-XLA-00686]	c 31	N70-34135
Pre-stressed thermal protection systems [NASA-CASE-MSC-20254-1]	c 16	N84-22601	Infusion extractor [NASA-CASE-MSC-20761-1]	c 37	N87-15465	Nose gear steering system for vehicle with main skids Patent [NASA-CASE-XLA-01804]	c 02	N70-34160
Apparatus for releasably connecting first and second objects in predetermined space relationship [NASA-CASE-MSC-18969-1]	c 18	N84-22605	Self-contained, single-use hose and tubing cleaning module [NASA-CASE-MSC-20857-1]	c 37	N87-17035	Surface roughness detector Patent [NASA-CASE-XLA-00203]	c 14	N70-34161
Tanker orbit transfer vehicle and method [NASA-CASE-MSC-20543-1]	c 18	N84-22610	Sun shield [NASA-CASE-MSC-20162-1]	c 37	N87-17036	Variable-span aircraft Patent [NASA-CASE-XLA-00166]	c 02	N70-34178
Doppler radar having phase modulation of both transmitted and reflected return signals [NASA-CASE-MSC-18675-1]	c 32	N84-22820	Locking hinge [NASA-CASE-MSC-21056-1]	c 18	N87-18595	Dynamic precession damper for spin stabilized vehicles Patent [NASA-CASE-XLA-01989]	c 21	N70-34295
Heat resistant protective hand covering [NASA-CASE-MSC-20261-2]	c 54	N84-23113	Space station erectable manipulator placement system [NASA-CASE-MSC-21096-1]	c 18	N87-18596	Erectable modular space station Patent [NASA-CASE-XLA-00678]	c 31	N70-34296
Method and apparatus for receiving and tracking phase modulated signals [NASA-CASE-MSC-16170-2]	c 32	N84-27952	Expandable pallet for space station interface attachments [NASA-CASE-MSC-21117-1]	c 18	N87-18597	Electric-arc heater Patent [NASA-CASE-XLA-00330]	c 33	N70-34540
Heat resistant protective hand covering [NASA-CASE-MSC-20261-1]	c 54	N84-28484	Method and apparatus for measuring frequency and phase difference [NASA-CASE-MSC-20865-1]	c 32	N87-18692	Ac power amplifier Patent Application [NASA-CASE-LAR-10218-1]	c 09	N70-34559
Digital interface for bi-directional communication between a computer and a peripheral device [NASA-CASE-MSC-20258-1]	c 60	N84-28492	High effectiveness contour matching contact heat exchanger [NASA-CASE-MSC-20840-1]	c 34	N87-18779	Method and apparatus for producing a plasma Patent [NASA-CASE-XLA-00147]	c 25	N70-34661
Processing circuit with asymmetry corrector and convolutional encoder for digital data [NASA-CASE-MSC-20187-1]	c 33	N85-20249	Multi-path peristaltic pump [NASA-CASE-MSC-20907-1]	c 37	N87-18818	Gas actuated bolt disconnect Patent [NASA-CASE-XLA-00326]	c 03	N70-34667
Slow opening valve [NASA-CASE-MSC-20112-1]	c 37	N85-20338	Scalloped-geometry solar concentrator [NASA-CASE-MSC-21061-1]	c 44	N87-18921	Logarithmic converter Patent [NASA-CASE-XLA-00471]	c 08	N70-34778
Television camera video level control system [NASA-CASE-MSC-18578-1]	c 32	N85-21427	National Aeronautics and Space Administration, Langley Research Center, Hampton, Va.					
Self-charging metering and dispensing device for fluids [NASA-CASE-MSC-20275-1]	c 35	N85-21595	Jet shoes [NASA-CASE-XLA-08491]	c 05	N69-21380	Mandrel for shaping solid propellant rocket fuel into a motor casing Patent [NASA-CASE-XLA-00304]	c 27	N70-34783
Connection system [NASA-CASE-MSC-20319-1]	c 37	N85-21649	Condenser - Separator [NASA-CASE-XLA-08645]	c 15	N69-21465	Impact simulator Patent [NASA-CASE-XLA-00493]	c 11	N70-34786
Monogroove heat pipe design: Insulated liquid channel with bridging wick [NASA-CASE-MSC-20497-1]	c 34	N85-29180	Connector - Electrical [NASA-CASE-XLA-01288]	c 09	N69-21470	Accelerometer with FM output Patent [NASA-CASE-XLA-00492]	c 14	N70-34799
Moisture content and gas sampling device [NASA-CASE-MSC-18866-1]	c 35	N85-29213	A support technique for vertically oriented launch vehicles					
Low gravity exothermic heating/cooling apparatus [NASA-CASE-MSC-25707-1]	c 35	N85-29214	[NASA-CASE-XLA-02704]	c 11	N69-21540	Frangible tube energy dissipation Patent [NASA-CASE-XLA-00754]	c 15	N70-34850
Spray applicator for spraying coatings and other fluids in space [NASA-CASE-MSC-18852-1]	c 37	N85-29283	Electromagnetic mirror drive system [NASA-CASE-XLA-03724]	c 14	N69-27461	Landing arrangement for aerial vehicle Patent [NASA-CASE-XLA-00806]	c 02	N70-34858
Linear motion valve [NASA-CASE-MSC-20148-1]	c 37	N85-29284	Evaporant holder [NASA-CASE-XLA-03105]	c 15	N69-27483	Method and apparatus for shock protection Patent [NASA-CASE-XLA-00482]	c 15	N70-36409
Light transmitting window assembly [NASA-CASE-MSC-18417-1]	c 74	N85-29750	Compensating radiometer [NASA-CASE-XLA-04556]	c 14	N69-27484	Inflatable honeycomb Patent [NASA-CASE-XLA-00204]	c 32	N70-36536
Slide release mechanism [NASA-CASE-MSC-20080-1]	c 37	N85-30334	Tubular coupling having frangible connecting means [NASA-CASE-XLA-02854]	c 15	N69-27490	Thermal control of space vehicles Patent [NASA-CASE-XLA-01291]	c 33	N70-36617
Liquid crystal light valve structures [NASA-CASE-MSC-20036-1]	c 76	N85-33826	Fatigue-resistant shear pin [NASA-CASE-XLA-09122]	c 15	N69-27505	Foam generator Patent [NASA-CASE-XLA-00838]	c 03	N70-36778
Reactant pressure differential control for fuel cell gases [NASA-CASE-MSC-20127-2]	c 37	N85-34403	Ablation sensor [NASA-CASE-XLA-01781]	c 14	N69-39975	Parachute glider Patent [NASA-CASE-XLA-00898]	c 02	N70-36804
Fluidic momentum controller [NASA-CASE-MSC-20906-1]	c 18	N86-19344	Aeroflexible structures [NASA-CASE-XLA-06095]	c 01	N69-39981	Production of high purity silicon carbide Patent [NASA-CASE-XLA-00158]	c 26	N70-36805
Universal clamp [NASA-CASE-MSC-20549-1]	c 37	N86-19612	Transient-compensated SCR inverter [NASA-CASE-XLA-08507]	c 09	N69-39984	Airplane take-off performance indicator Patent [NASA-CASE-XLA-00100]	c 14	N70-36807
Preloadable vector sensitive latch [NASA-CASE-MSC-20910-1]	c 37	N86-19613	Disk pack cleaning table Patent Application [NASA-CASE-LAR-10590-1]	c 15	N70-26819	Aerodynamic measuring device Patent [NASA-CASE-XLA-00481]	c 14	N70-36824
Apparatus and method of capturing an orbiting satellite [NASA-CASE-MSC-20979-1]	c 37	N86-19614	Folding apparatus Patent [NASA-CASE-XLA-00137]	c 15	N70-33180	Aircraft wheel spray drag alleviator Patent [NASA-CASE-XLA-01583]	c 02	N70-36825
Method and apparatus for telemetry adaptive bandwidth compression [NASA-CASE-MSC-20821-1]	c 17	N86-20466	Infrared scanner Patent [NASA-CASE-XLA-00120]	c 21	N70-33181	Attitude orientation of spin-stabilized space vehicles Patent [NASA-CASE-XLA-00281]	c 21	N70-36943
Aerobraking orbital transfer vehicle [NASA-CASE-MSC-20921-1]	c 18	N86-20471	Reentry vehicle leading edge Patent [NASA-CASE-XLA-00165]	c 31	N70-33242	Continuously operating induction plasma accelerator Patent [NASA-CASE-XLA-01354]	c 25	N70-36946
Pumped two-phase heat transfer loop [NASA-CASE-MSC-20841-1]	c 34	N86-20721	Motion picture camera for optical pyrometry Patent [NASA-CASE-XLA-00062]	c 14	N70-33254	Check valve assembly for a probe Patent [NASA-CASE-XLA-00128]	c 15	N70-37925
Fluid leak indicator [NASA-CASE-MSC-20783-1]	c 35	N86-20756	Variable sweep wing configuration Patent [NASA-CASE-XLA-00230]	c 02	N70-33255	Space capsule Patent [NASA-CASE-XLA-00149]	c 31	N70-37938
Flexible diaphragm: Extreme temperature usage [NASA-CASE-MSC-20797-1]	c 37	N86-20806	Variable sweep wing aircraft Patent [NASA-CASE-XLA-00221]	c 02	N70-33266	Sandwich panel construction Patent [NASA-CASE-XLA-00349]	c 33	N70-37979
Method and apparatus for measuring distance [NASA-CASE-MSC-20912-1]	c 32	N86-24879	Plasma accelerator Patent [NASA-CASE-XLA-00675]	c 25	N70-33267	Reflector space satellite Patent [NASA-CASE-XLA-00138]	c 31	N70-37981
Laser ranging and video display system [NASA-CASE-MSC-20870-1]	c 36	N86-24977	Survival couch Patent [NASA-CASE-XLA-00118]	c 05	N70-33285	Variable-geometry winged reentry vehicle Patent [NASA-CASE-XLA-00241]	c 31	N70-37986
Spillage detector for liquid chromatography systems [NASA-CASE-MSC-20206-1]	c 25	N86-27431	Landing arrangement for aerial vehicles Patent [NASA-CASE-XLA-00142]	c 02	N70-33286	Vehicle parachute and equipment jettison system Patent [NASA-CASE-XLA-00195]	c 02	N70-38009
			Wind tunnel airstream oscillating apparatus Patent [NASA-CASE-XLA-00112]	c 11	N70-33287	Landing arrangement for aerospace vehicle Patent [NASA-CASE-XLA-00805]	c 31	N70-38010
			Hydrofoil Patent [NASA-CASE-XLA-00229]	c 12	N70-33305	Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent [NASA-CASE-XLA-00414]	c 07	N70-38200
			High intensity heat and light unit Patent [NASA-CASE-XLA-00141]	c 09	N70-33312	Despin weight release Patent [NASA-CASE-XLA-00679]	c 15	N70-38601
			Particle detection apparatus Patent [NASA-CASE-XLA-00135]	c 14	N70-33322	Manned space station Patent [NASA-CASE-XLA-00258]	c 31	N70-38676
			Runway light Patent [NASA-CASE-XLA-00119]	c 11	N70-33329	Missile stage separation indicator and stage initiator Patent [NASA-CASE-XLA-00791]	c 03	N70-39930

Apparatus for producing high purity silicon carbide crystals Patent			SCR blocking pulse gate amplifier Patent			Controlled glass bead peening Patent		
[NASA-CASE-XLA-02057]	c 26	N70-40015	[NASA-CASE-XLA-07497]	c 09	N71-12514	[NASA-CASE-XLA-07390]	c 15	N71-18616
Miniature vibration isolator Patent			Minimum induced drag airfoil body Patent			Exclusive-Or digital logic module Patent		
[NASA-CASE-XLA-01019]	c 15	N70-40156	[NASA-CASE-XLA-00755]	c 01	N71-13410	[NASA-CASE-XLA-07732]	c 08	N71-18751
Aircraft instrument Patent			Minimum induced drag airfoil body Patent			Slosh alleviator Patent		
[NASA-CASE-XLA-00487]	c 14	N70-40157	[NASA-CASE-XLA-05828]	c 01	N71-13411	[NASA-CASE-XLA-05749]	c 15	N71-19569
Radiation direction detector including means for compensating for photocell aging Patent			Mechanical stability augmentation system Patent			G conditioning suit Patent		
[NASA-CASE-XLA-00183]	c 14	N70-40239	[NASA-CASE-XLA-06339]	c 02	N71-13422	[NASA-CASE-XLA-02898]	c 05	N71-20268
Passive communication satellite Patent			Automatic balancing device Patent			Dosimeter for high levels of absorbed radiation Patent		
[NASA-CASE-XLA-00210]	c 30	N70-40309	[NASA-CASE-LAR-10774]	c 10	N71-13545	[NASA-CASE-XLA-03645]	c 14	N71-20430
Electrostatic plasma modulator for space vehicle re-entry communication Patent			Quick release connector Patent			Flow field simulation Patent		
[NASA-CASE-XLA-01400]	c 07	N70-41331	[NASA-CASE-XLA-01141]	c 15	N71-13789	[NASA-CASE-LAR-11138]	c 12	N71-20436
Micrometeoroid velocity measuring device Patent			Spacecraft experiment pointing and attitude control system Patent			Variable pulse width multiplier Patent		
[NASA-CASE-XLA-00495]	c 14	N70-41332	[NASA-CASE-XLA-05464]	c 21	N71-14132	[NASA-CASE-XLA-02850]	c 09	N71-20447
Method of obtaining permanent record of surface flow phenomena Patent			Pressurized cell micrometeoroid detector Patent			Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent		
[NASA-CASE-XLA-01353]	c 14	N70-41366	[NASA-CASE-XLA-00936]	c 14	N71-14996	[NASA-CASE-XLA-06232]	c 25	N71-20563
Means for communicating through a layer of ionized gases Patent			Crossed-field MHD plasma generator/accelerator Patent			Null device for hand controller Patent		
[NASA-CASE-XLA-01127]	c 07	N70-41372	[NASA-CASE-XLA-03374]	c 25	N71-15562	[NASA-CASE-XLA-01808]	c 15	N71-20740
Quick release separation mechanism Patent			Adjustable attitude guide device Patent			Event recorder Patent		
[NASA-CASE-XLA-01441]	c 15	N70-41679	[NASA-CASE-XLA-07911]	c 15	N71-15571	[NASA-CASE-XLA-01832]	c 14	N71-21006
Flexible wing deployment device Patent			Control system for rocket vehicles Patent			Inflatable support structure Patent		
[NASA-CASE-XLA-01220]	c 02	N70-41863	[NASA-CASE-XLA-01163]	c 21	N71-15582	[NASA-CASE-XLA-01731]	c 32	N71-21045
Self-sealing, unbonded, rocket motor nozzle closure Patent			Excessive temperature warning system Patent			Fast opening diaphragm Patent		
[NASA-CASE-XLA-02651]	c 28	N70-41967	[NASA-CASE-XLA-01926]	c 14	N71-15620	[NASA-CASE-XLA-03660]	c 15	N71-21060
Fatigue testing device Patent			Alleviation of divergence during rocket launch Patent			Ellipsograph for pantograph Patent		
[NASA-CASE-XLA-02131]	c 32	N70-42003	[NASA-CASE-XLA-00256]	c 31	N71-15663	[NASA-CASE-XLA-03102]	c 14	N71-21079
Techniques for insulating cryogenic fuel containers Patent			Space capsule Patent			Random function tracer Patent		
[NASA-CASE-XLA-01967]	c 31	N70-42015	[NASA-CASE-XLA-01332]	c 31	N71-15664	[NASA-CASE-XLA-01401]	c 15	N71-21179
Double hinged flap Patent			Variable geometry manned orbital vehicle Patent			Method and apparatus for bonding a plastics sleeve onto a metallic body Patent		
[NASA-CASE-XLA-01290]	c 02	N70-42016	[NASA-CASE-XLA-03691]	c 31	N71-15674	[NASA-CASE-XLA-01262]	c 15	N71-21404
Spacecraft separation system for spinning vehicles and/or payloads Patent			Payload/burned-out motor case separation system Patent			Hypersonic test facility Patent		
[NASA-CASE-XLA-02132]	c 31	N71-10582	[NASA-CASE-XLA-05369]	c 31	N71-15687	[NASA-CASE-XLA-05378]	c 11	N71-21475
Method for molding compounds Patent			Velocity package Patent			Multilegged support system Patent		
[NASA-CASE-XLA-01091]	c 15	N71-10672	[NASA-CASE-XLA-01339]	c 31	N71-15692	[NASA-CASE-XLA-01326]	c 11	N71-21481
Automatic force measuring system Patent			File card marker Patent			Nacelle afterbody for jet engines Patent		
[NASA-CASE-XLA-02605]	c 14	N71-10773	[NASA-CASE-XLA-02705]	c 08	N71-15908	[NASA-CASE-XLA-10450]	c 28	N71-21493
Gas analyzer for bi-gaseous mixtures Patent			Hypersonic test facility Patent			Canister closing device Patent		
[NASA-CASE-XLA-01131]	c 14	N71-10774	[NASA-CASE-XLA-00378]	c 11	N71-15925	[NASA-CASE-XLA-01446]	c 15	N71-21528
Multiple input radio receiver Patent			Test unit free-flight suspension system Patent			Ablation sensor Patent		
[NASA-CASE-XLA-00901]	c 07	N71-10775	[NASA-CASE-XLA-00939]	c 11	N71-15926	[NASA-CASE-XLA-01794]	c 33	N71-21586
Rotating space station simulator Patent			Reduced gravity simulator Patent			Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent		
[NASA-CASE-XLA-03127]	c 11	N71-10776	[NASA-CASE-XLA-01787]	c 11	N71-16028	[NASA-CASE-XLA-03103]	c 25	N71-21693
Composite powerplant and shroud therefor Patent			Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent			Attitude control and damping system for spacecraft Patent		
[NASA-CASE-XLA-01043]	c 28	N71-10780	[NASA-CASE-XLA-00284]	c 15	N71-16075	[NASA-CASE-XLA-02551]	c 21	N71-21708
All-directional fastener Patent			Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent			Method of making inflatable honeycomb Patent		
[NASA-CASE-XLA-01807]	c 15	N71-10799	[NASA-CASE-XLA-00302]	c 15	N71-16077	[NASA-CASE-XLA-03492]	c 15	N71-22713
Hot air balloon deceleration and recovery system Patent			Separator Patent			Lunar penetrometer Patent		
[NASA-CASE-XLA-06824-2]	c 02	N71-11037	[NASA-CASE-XLA-00415]	c 15	N71-16079	[NASA-CASE-XLA-00934]	c 14	N71-22765
Control for flexible parawing Patent			Omnidirectional multiple impact landing system Patent			Thermal control wall panel Patent		
[NASA-CASE-XLA-06958]	c 02	N71-11038	[NASA-CASE-XLA-09881]	c 31	N71-16085	[NASA-CASE-XLA-01243]	c 33	N71-22792
Variable sweep aircraft Patent			Flexible ring slosh damping baffle Patent			Attitude sensor for space vehicles Patent		
[NASA-CASE-XLA-03659]	c 02	N71-11041	[NASA-CASE-LAR-10317-1]	c 32	N71-16103	[NASA-CASE-XLA-00793]	c 21	N71-22880
Translating horizontal tail Patent			Buoyant anti-slosh system Patent			Omnidirectional microwave spacecraft antenna Patent		
[NASA-CASE-XLA-08801-1]	c 02	N71-11043	[NASA-CASE-XLA-04605]	c 32	N71-16106	[NASA-CASE-XLA-03114]	c 09	N71-22888
Space suit pressure stabilizer Patent			Detector panels-micrometeoroid impact Patent			Thermal control panel Patent		
[NASA-CASE-XLA-05332]	c 05	N71-11194	[NASA-CASE-XLA-05906]	c 31	N71-16221	[NASA-CASE-XLA-07728]	c 33	N71-22890
Equipotential space suit Patent			Wind velocity probing device and method Patent			Spacecraft airlock Patent		
[NASA-CASE-LAR-10007-1]	c 05	N71-11195	[NASA-CASE-XLA-02081]	c 20	N71-16281	[NASA-CASE-XLA-02050]	c 31	N71-22968
Recovery of potable water from human wastes in below-G conditions Patent			Vibrating structure displacement measuring instrument Patent			Station keeping of a gravity gradient stabilized satellite Patent		
[NASA-CASE-XLA-02213]	c 05	N71-11207	[NASA-CASE-XLA-03135]	c 32	N71-16428	[NASA-CASE-XLA-03132]	c 31	N71-22969
Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4,5-tetraamino-benzene Patent			Viscous-pendulum-damper Patent			Semi-linear ball bearing Patent		
[NASA-CASE-XLA-03104]	c 06	N71-11235	[NASA-CASE-XLA-02079]	c 12	N71-16894	[NASA-CASE-XLA-02809]	c 15	N71-22982
Imidazopyrrolone/imide copolymers Patent			Leak detector Patent			Heat sensing instrument Patent		
[NASA-CASE-XLA-08802]	c 06	N71-11238	[NASA-CASE-LAR-10323-1]	c 12	N71-17573	[NASA-CASE-XLA-01551]	c 14	N71-22989
Adaptive compression of communication signals Patent			Logic AND gate for fluid circuits Patent			Ablation sensor Patent		
[NASA-CASE-XLA-03076]	c 07	N71-11266	[NASA-CASE-XLA-07391-1]	c 12	N71-17579	[NASA-CASE-XLA-01791]	c 14	N71-22991
Reentry communication by material addition Patent			Contour surveying system Patent			Self-calibrating displacement transducer Patent		
[NASA-CASE-XLA-01552]	c 07	N71-11284	[NASA-CASE-XLA-08646]	c 14	N71-17586	[NASA-CASE-XLA-00781]	c 09	N71-22999
Cooperative Doppler radar system Patent			Cable arrangement for rigid tethering Patent			Lateral displacement system for separated rocket stages Patent		
[NASA-CASE-LAR-10403]	c 21	N71-11766	[NASA-CASE-XLA-02332]	c 32	N71-17609	[NASA-CASE-XLA-04804]	c 31	N71-23008
Supersonic aircraft Patent			Thermal pump-compressor for space use Patent			Thermal control coating Patent		
[NASA-CASE-XLA-04451]	c 02	N71-12243	[NASA-CASE-XLA-00377]	c 33	N71-17610	[NASA-CASE-XLA-01995]	c 18	N71-23047
Umbilical disconnect Patent			Viscous pendulum damper Patent			Method of making an inflatable panel Patent		
[NASA-CASE-XLA-00711]	c 03	N71-12258	[NASA-CASE-LAR-10274-1]	c 14	N71-17626	[NASA-CASE-XLA-03497]	c 15	N71-23052
Remote controlled tubular disconnect Patent			Self supporting space vehicle Patent			Variable duration pulse integrator Patent		
[NASA-CASE-XLA-01396]	c 03	N71-12259	[NASA-CASE-XLA-00117]	c 31	N71-17680	[NASA-CASE-XLA-01219]	c 10	N71-23084
Backpack carrier Patent			Technique for control of free-flight rocket vehicles Patent			Impact energy absorber Patent		
[NASA-CASE-LAR-10056]	c 05	N71-12351	[NASA-CASE-XLA-00937]	c 31	N71-17691	[NASA-CASE-XLA-01530]	c 14	N71-23092
Optical communications system Patent			Hydraulic grip Patent			Micrometeoroid penetration measuring device Patent		
[NASA-CASE-XLA-01090]	c 07	N71-12389	[NASA-CASE-XLA-05100]	c 15	N71-17696	[NASA-CASE-XLA-00941]	c 14	N71-23240
Analog to digital converter Patent			Heat protection apparatus Patent			Combined optical attitude and altitude indicating instrument Patent		
[NASA-CASE-XLA-00670]	c 08	N71-12501	[NASA-CASE-XLA-00892]	c 33	N71-17897	[NASA-CASE-XLA-01907]	c 14	N71-23268
Integrated time shared instrumentation display Patent			Thermopile vacuum gage tube simulator Patent			Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent		
[NASA-CASE-XLA-01952]	c 08	N71-12507	[NASA-CASE-XLA-02758]	c 14	N71-18481	[NASA-CASE-XLA-01584]	c 14	N71-23269
			Ionization vacuum gage with all but the end of the ion collector shielded Patent					
			[NASA-CASE-XLA-07424]	c 14	N71-18482			
			Safe-arm initiator Patent					
			[NASA-CASE-LAR-10372]	c 09	N71-18599			

Variable width pulse integrator Patent [NASA-CASE-XLA-03356]	c 10	N71-23315	Digital pulse width selection circuit Patent [NASA-CASE-XLA-07788]	c 09	N71-29139	Ferry system [NASA-CASE-LAR-10574-1]	c 11	N73-13257
Leading edge curvature based on convective heating Patent [NASA-CASE-XLA-01486]	c 01	N71-23497	Magnetically controlled plasma accelerator Patent [NASA-CASE-XLA-00327]	c 25	N71-29184	Flow velocity and directional instrument [NASA-CASE-LAR-10855-1]	c 14	N73-13415
Measurement of time differences between luminous events Patent [NASA-CASE-XLA-01987]	c 23	N71-23976	Boring bar drive mechanism Patent [NASA-CASE-XLA-03661]	c 15	N71-33518	Vortex breech high pressure gas generator [NASA-CASE-LAR-10549-1]	c 31	N73-13898
Method for measuring the characteristics of a gas Patent [NASA-CASE-XLA-03375]	c 16	N71-24074	Wind tunnel model damper Patent [NASA-CASE-XLA-09480]	c 11	N71-33612	Butt welder for fine gauge tungsten/rhenium thermocouple wire [NASA-CASE-LAR-10103-1]	c 15	N73-14468
Laser grating interferometer Patent [NASA-CASE-XLA-04295]	c 16	N71-24170	Variable geometry rotor system [NASA-CASE-LAR-10557]	c 02	N72-11018	Method of detecting oxygen in a gas [NASA-CASE-LAR-10668-1]	c 06	N73-16106
Automatic fatigue test temperature programmer Patent [NASA-CASE-XLA-02059]	c 33	N71-24276	Flared tube strainer [NASA-CASE-XLA-05056]	c 15	N72-11389	Combustion detector [NASA-CASE-LAR-10739-1]	c 14	N73-16484
Ring wing tension vehicle Patent [NASA-CASE-XLA-04901]	c 31	N71-24315	Impact measuring technique [NASA-CASE-LAR-10913]	c 14	N72-16282	Laser communication system for controlling several functions at a location remote to the laser [NASA-CASE-LAR-10311-1]	c 16	N73-16536
Process for applying black coating to metals Patent [NASA-CASE-XLA-06199]	c 15	N71-24875	Technique of duplicating fragile core [NASA-CASE-XLA-07829]	c 15	N72-16329	Apparatus for photographing meteors [NASA-CASE-LAR-10226-1]	c 14	N73-19419
Velocity limiting safety system Patent [NASA-CASE-XLA-07473]	c 15	N71-24895	Tube fabricating process [NASA-CASE-LAR-10203-1]	c 15	N72-16330	Zero gravity liquid mixer [NASA-CASE-LAR-10195-1]	c 15	N73-19458
Strain coupled servo control system Patent [NASA-CASE-XLA-08530]	c 32	N71-25360	Air bearing [NASA-CASE-WLP-10002]	c 15	N72-17451	Rate data encoder [NASA-CASE-LAR-10128-1]	c 08	N73-20217
Method of temperature compensating semiconductor strain gages Patent [NASA-CASE-XLA-04555-1]	c 14	N71-25892	Extensometer frame [NASA-CASE-XLA-10322]	c 15	N72-17452	Function generator for synthesizing complex vibration mode patterns [NASA-CASE-LAR-10310-1]	c 10	N73-20253
Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent [NASA-CASE-XLA-02810]	c 14	N71-25901	Split range transducer [NASA-CASE-XLA-11189]	c 10	N72-20222	Infrared horizon locator [NASA-CASE-LAR-10726-1]	c 14	N73-20475
Method of plating copper on aluminum Patent [NASA-CASE-XLA-08966-1]	c 17	N71-25903	Stereo photomicrography system [NASA-CASE-LAR-10176-1]	c 14	N72-20380	Light intensity strain analysis [NASA-CASE-LAR-10765-1]	c 32	N73-20740
Laser calibrator Patent [NASA-CASE-XLA-03410]	c 16	N71-25914	Radar calibration sphere [NASA-CASE-XLA-11154]	c 07	N72-21117	Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds [NASA-CASE-LAR-10578-1]	c 12	N73-25262
Thermal protection ablation spray system Patent [NASA-CASE-XLA-04251]	c 18	N71-26100	Recorder using selective noise filter [NASA-CASE-ERC-10112]	c 07	N72-21119	Cable restraint [NASA-CASE-LAR-10129-1]	c 15	N73-25512
Direct lift control system Patent [NASA-CASE-LAR-10249-1]	c 02	N71-26110	Stacked array of omnidirectional antennas [NASA-CASE-LAR-10545-1]	c 09	N72-21244	Electronic strain-level counter [NASA-CASE-LAR-10756-1]	c 32	N73-26910
Light shield and infrared reflector for fatigue testing Patent [NASA-CASE-XLA-01782]	c 14	N71-26136	Electro-mechanical sine/cosine generator [NASA-CASE-LAR-10503-1]	c 09	N72-21248	Nondestructive spot test method for magnesium and magnesium alloys [NASA-CASE-LAR-10953-1]	c 17	N73-27446
Dual resonant cavity absorption cell Patent [NASA-CASE-LAR-10305]	c 14	N71-26137	Lathe tool bit and holder for machining fiberglass materials [NASA-CASE-XLA-10470]	c 15	N72-21489	Ablation article and method [NASA-CASE-LAR-10439-1]	c 33	N73-27796
Resilience testing device Patent [NASA-CASE-XLA-08254]	c 14	N71-26161	Pressure operated electrical switch responsive to a pressure decrease after a pressure increase [NASA-CASE-LAR-10137-1]	c 09	N72-22204	Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds [NASA-CASE-LAR-10612-1]	c 12	N73-28144
Precipitation detector Patent [NASA-CASE-XLA-02619]	c 10	N71-26334	Variable geometry wind tunnels [NASA-CASE-XLA-07430]	c 11	N72-22246	Pressurized panel [NASA-CASE-XLA-08916-2]	c 14	N73-28487
Instrument for measuring the dynamic behavior of liquids Patent [NASA-CASE-XLA-05541]	c 12	N71-26387	Magnifying scratch gage force transducer [NASA-CASE-LAR-10496-1]	c 14	N72-22437	Apparatus for aiding a pilot in avoiding a midair collision between aircraft [NASA-CASE-LAR-10717-1]	c 21	N73-30641
Arbitrarily shaped model survey system Patent [NASA-CASE-LAR-10098]	c 32	N71-26681	Star image motion compensator [NASA-CASE-LAR-10523-1]	c 14	N72-22444	Exposure interlock for oscilloscope cameras [NASA-CASE-LAR-10319-1]	c 14	N73-32322
Dielectric molding apparatus Patent [NASA-CASE-LAR-10121-1]	c 15	N71-26721	Absolute focus lock for microscopes [NASA-CASE-LAR-10184]	c 14	N72-22445	Meteoroid detector [NASA-CASE-LAR-10483-1]	c 14	N73-32327
Method of making a solid propellant rocket motor Patent [NASA-CASE-XLA-04126]	c 28	N71-26779	Cryogenic feedthrough [NASA-CASE-LAR-10031]	c 15	N72-22484	Lightweight, variable solidity knitted parachute fabric [NASA-CASE-LAR-10776-1]	c 02	N74-10034
Dynamic vibration absorber Patent [NASA-CASE-LAR-10083-1]	c 15	N71-27006	A technique for breaking ice in the path of a ship [NASA-CASE-LAR-10815-1]	c 16	N72-22520	Technique for extending the frequency range of digital dividers [NASA-CASE-LAR-10730-1]	c 33	N74-10223
Rate augmented digital to analog converter Patent [NASA-CASE-XLA-07828]	c 08	N71-27057	One hand backpack harness [NASA-CASE-LAR-10102-1]	c 05	N72-23085	Fluid pressure amplifier and system [NASA-CASE-LAR-10868-1]	c 33	N74-11050
High speed flight vehicle control Patent [NASA-CASE-XLA-08967]	c 02	N71-27088	Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT [NASA-CASE-LAR-10320-1]	c 09	N72-23172	Method of making pressure tight seal for super alloy [NASA-CASE-LAR-10170-1]	c 37	N74-11301
Suspended mass impact damper Patent [NASA-CASE-LAR-10193-1]	c 15	N71-27146	Omnidirectional slot antenna for mounting on cylindrical space vehicle [NASA-CASE-LAR-10163-1]	c 09	N72-25247	System for calibrating pressure transducer [NASA-CASE-LAR-10910-1]	c 35	N74-13132
Active vibration isolator for flexible bodies Patent [NASA-CASE-LAR-10106-1]	c 15	N71-27169	Hall effect transducer [NASA-CASE-LAR-10620-1]	c 09	N72-25255	Molding process for imidazopyrrolone polymers [NASA-CASE-LAR-10547-1]	c 31	N74-13177
Soldering device Patent [NASA-CASE-XLA-08911]	c 15	N71-27214	Radio frequency filter device [NASA-CASE-XLA-02609]	c 09	N72-25256	Lyophilized spore dispenser [NASA-CASE-LAR-10544-1]	c 37	N74-13178
Fringe counter for interferometers Patent [NASA-CASE-LAR-10204]	c 14	N71-27215	Parametric amplifiers with idler circuit feedback [NASA-CASE-LAR-10253-1]	c 09	N72-25258	Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-2]	c 70	N74-13436
Wideband VCO with high phase stability Patent [NASA-CASE-XLA-03893]	c 10	N71-27271	Variable angle tube holder [NASA-CASE-LAR-10507-1]	c 11	N72-25284	Evacuated displacement compression molding [NASA-CASE-LAR-10782-1]	c 31	N74-14133
Plural position switch status and operativeness checker Patent [NASA-CASE-XLA-08799]	c 10	N71-27272	Low mass truss structure [NASA-CASE-LAR-10546-1]	c 11	N72-25287	Modification of one man life raft [NASA-CASE-LAR-10241-1]	c 54	N74-14845
Angular displacement indicating gas bearing support system Patent [NASA-CASE-XLA-09346]	c 15	N71-28740	Liquid waste feed system [NASA-CASE-LAR-10365-1]	c 05	N72-27102	Attitude sensor [NASA-CASE-LAR-10586-1]	c 19	N74-15089
Solid state thermal control polymer coating Patent [NASA-CASE-XLA-01745]	c 33	N71-28903	Microcircuit negative cutter [NASA-CASE-XLA-09843]	c 15	N72-27485	Mossbauer spectrometer radiation detector [NASA-CASE-LAR-11155-1]	c 35	N74-15091
Specialized halogen generator for purification of water Patent [NASA-CASE-XLA-08913]	c 14	N71-28933	Light regulator [NASA-CASE-LAR-10836-1]	c 26	N72-27784	In situ transfer standard for ultrahigh vacuum gage calibration [NASA-CASE-LAR-10862-1]	c 35	N74-15092
Optical communications system Patent [NASA-CASE-XLA-01090]	c 16	N71-28963	Linear explosive comparison [NASA-CASE-LAR-10800-1]	c 33	N72-27959	Dual measurement ablation sensor [NASA-CASE-LAR-10105-1]	c 34	N74-15652
Antenna design for surface wave suppression Patent [NASA-CASE-XLA-10772]	c 07	N71-28980	Spherical measurement device [NASA-CASE-XLA-06683]	c 14	N72-28436	Ejectable underwater sound source recovery assembly [NASA-CASE-LAR-10595-1]	c 35	N74-16135
Analog to digital converter tester Patent [NASA-CASE-XLA-06713]	c 14	N71-28991	Method of making semiconductor p-n junction stress and strain sensor [NASA-CASE-XLA-04980-2]	c 14	N72-28438	Wind tunnel model and method [NASA-CASE-LAR-10812-1]	c 09	N74-17955
Method of making pressurized panel Patent [NASA-CASE-XLA-08916]	c 15	N71-29018	Screened circuit capacitors [NASA-CASE-LAR-10294-1]	c 26	N72-28762	High field CdS detector for infrared radiation [NASA-CASE-LAR-11027-1]	c 35	N74-18088
Maksutov spectrograph Patent [NASA-CASE-XLA-10402]	c 14	N71-29041	Deposition apparatus [NASA-CASE-LAR-10541-1]	c 15	N72-32487	Method of fabricating an article with cavities [NASA-CASE-LAR-10318-1]	c 31	N74-18089
Two component bearing Patent [NASA-CASE-XLA-00013]	c 15	N71-29136	Lift balancing device [NASA-CASE-LAR-10348-1]	c 11	N73-12264	Apparatus for remote handling of materials [NASA-CASE-LAR-10634-1]	c 37	N74-18123
			Air removal device [NASA-CASE-XLA-8914]	c 15	N73-12492			
			Nondestructive spot test method for titanium and titanium alloys [NASA-CASE-LAR-10539-1]	c 17	N73-12547			
			Logical function generator [NASA-CASE-XLA-05099]	c 09	N73-13209			

Anti-multipath digital signal detector		
[NASA-CASE-LAR-11827-1]	c 32	N77-10392
Weld-bonded titanium structures		
[NASA-CASE-LAR-11549-1]	c 37	N77-11397
Phase modulating with odd and even finite power series of a modulating signal		
[NASA-CASE-LAR-11607-1]	c 32	N77-14292
Miniature biaxial strain transducer		
[NASA-CASE-LAR-11648-1]	c 35	N77-14407
Precision alignment apparatus for cutting a workpiece		
[NASA-CASE-LAR-11658-1]	c 37	N77-14478
Solid propellant rocket motor and method of making same		
[NASA-CASE-XLA-1349]	c 20	N77-17143
Particulate and solar radiation stable coating for spacecraft		
[NASA-CASE-LAR-10805-2]	c 34	N77-18382
Magnetic heading reference		
[NASA-CASE-LAR-11387-2]	c 04	N77-19056
Binocular device for displaying numerical information in field of view		
[NASA-CASE-LAR-11782-1]	c 74	N77-20882
Method of locating persons in distress		
[NASA-CASE-LAR-11390-1]	c 32	N77-21267
Amplifying ribbon extensometer		
[NASA-CASE-LAR-11825-1]	c 35	N77-22449
Method of forming shrink-fit compression seal		
[NASA-CASE-LAR-11563-1]	c 37	N77-23482
Vortex generator for controlling the dispersion of effluents in a flowing liquid		
[NASA-CASE-LAR-12045-1]	c 34	N77-24423
Process for control of cell division		
[NASA-CASE-LAR-10773-3]	c 51	N77-25769
Electro-mechanical sine/cosine generator		
[NASA-CASE-LAR-11389-1]	c 33	N77-26387
Apparatus for determining thermophysical properties of test specimens		
[NASA-CASE-LAR-11883-1]	c 09	N77-27131
Automated single-slide staining device		
[NASA-CASE-LAR-11649-1]	c 51	N77-27677
Dual cycle aircraft turbine engine		
[NASA-CASE-LAR-11310-1]	c 07	N77-28118
Composite sandwich lattice structure		
[NASA-CASE-LAR-11898-1]	c 24	N78-10214
Differential sound level meter		
[NASA-CASE-LAR-12106-1]	c 71	N78-14867
Thermoluminescent aerosol analysis		
[NASA-CASE-LAR-12046-1]	c 25	N78-15210
CW ultrasonic bolt tensioning monitor		
[NASA-CASE-LAR-12016-1]	c 39	N78-15512
Solar heating system		
[NASA-CASE-LAR-12009-1]	c 44	N78-15560
Transmitting and reflecting diffuser		
[NASA-CASE-LAR-10385-3]	c 74	N78-15879
TV fatigue crack monitoring system		
[NASA-CASE-LAR-11490-1]	c 39	N78-16387
Method of making a composite sandwich lattice structure		
[NASA-CASE-LAR-11898-2]	c 24	N78-17149
Composite lamination method		
[NASA-CASE-LAR-12019-1]	c 24	N78-17150
Polyimide adhesives		
[NASA-CASE-LAR-12181-1]	c 27	N78-17205
Thermal shock and erosion resistant tantalum carbide ceramic material		
[NASA-CASE-LAR-11902-1]	c 27	N78-17206
Optical scanner		
[NASA-CASE-LAR-11711-1]	c 74	N78-17866
Molded composite pyrogen igniter for rocket motors		
[NASA-CASE-LAR-12018-1]	c 20	N78-24275
Non-destructive method for applying and removing instrumentation on helicopter rotor blades		
[NASA-CASE-LAR-11201-1]	c 35	N78-24515
Two dimensional wedge/translating shroud nozzle		
[NASA-CASE-LAR-11919-1]	c 07	N78-27121
Remote water monitoring system		
[NASA-CASE-LAR-11973-1]	c 35	N78-27384
Magnetic suspension and pointing system		
[NASA-CASE-LAR-11889-2]	c 37	N78-27424
Device for measuring the contour of a surface		
[NASA-CASE-LAR-11869-1]	c 74	N78-27904
Supersonic transport		
[NASA-CASE-LAR-11932-1]	c 05	N78-32086
Hypersonic airbreathing missile		
[NASA-CASE-LAR-12264-1]	c 15	N78-32168
Process for preparing thermoplastic aromatic polyimides		
[NASA-CASE-LAR-11828-1]	c 27	N78-32261
Magnetometer with a miniature transducer and automatic scanning		
[NASA-CASE-LAR-11617-2]	c 35	N78-32397
Independent power generator		
[NASA-CASE-LAR-11208-1]	c 44	N78-32539
Pseudo continuous wave instrument		
[NASA-CASE-LAR-12260-1]	c 35	N79-10390

Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359

Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364

Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108

Electronically scanned pressure sensor module with in SITU calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347

Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349

Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382

Chromatically corrected virtual image display
[NASA-CASE-LAR-12251-1] c 74 N79-14892

Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307

Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083

Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537

Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097

Electrochemical detection device
[NASA-CASE-LAR-11922-1] c 25 N79-24073

High-temperature microphone system
[NASA-CASE-LAR-12375-1] c 32 N79-24203

Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-1] c 35 N79-26372

Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228

Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316

Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371

Crystalline polyimides
[NASA-CASE-LAR-12099-1] c 27 N80-16158

Laser Doppler velocity simulator
[NASA-CASE-LAR-12176-1] c 36 N80-16321

Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358

Improved tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N80-18402

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552

Detection of the transitional layer between laminar and turbulent flow areas on a wing surface
[NASA-CASE-LAR-12261-1] c 02 N80-20224

CDS solid state phase insensitive ultrasonic transducer
[NASA-CASE-LAR-12304-1] c 35 N80-20559

Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810

Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138

Chromatically corrected virtual image visual display
[NASA-CASE-LAR-12251-1] c 74 N80-27185

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687

Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539

Natural turbulence electrical power generator
[NASA-CASE-LAR-11551-1] c 44 N80-29834

Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000

Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078

Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

Leading edge vortex flaps for drag reduction
[NASA-CASE-LAR-12750-1] c 02 N81-19016

Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087

Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

Direction sensitive laser velocimeter
[NASA-CASE-LAR-12177-1] c 36 N81-24422

Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443

Lightweight structural columns
[NASA-CASE-LAR-12095-1] c 31 N81-25258

Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152

Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161

Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

Telescoping columns
[NASA-CASE-LAR-12195-1] c 31 N81-27324

Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

Automated syringe sampler
[NASA-CASE-LAR-12308-1] c 35 N81-29407

Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206

Small conductive particle sensor
[NASA-CASE-LAR-12552-1] c 35 N82-11431

Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415

Moving body velocity arresting line
[NASA-CASE-LAR-12372-1] c 37 N82-18601

Variable response load limiting device
[NASA-CASE-LAR-12801-1] c 37 N82-20544

Air removal device
[NASA-CASE-LAR-8914-2] c 25 N82-21269

Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416

Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

Continuous self-locking spiral wound seal
[NASA-CASE-LAR-12315-1] c 37 N82-24490

Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396

Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571

Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628

Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676

Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604

Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659

Decoupler pylon: wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373

Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417

Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712

Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732

Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841

Pulsed phase locked loop strain monitor
[NASA-CASE-LAR-12772-1] c 33 N83-16626

Ampoule sealing apparatus and process
[NASA-CASE-LAR-12847-1] c 33 N83-16633

Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

Pumped vortex
[NASA-CASE-LAR-12625-1] c 02 N83-19715

Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503

Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504

Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763

Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240

Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573

Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574

Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651

Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783

Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026

Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081

Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups
[NASA-CASE-LAR-12838-1] c 27 N83-34040

Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041

Heating and cooling system
[NASA-CASE-LAR-12393-1] c 34 N83-34221

Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449

Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357

Family of airfoil shapes for rotating blades
[NASA-CASE-LAR-12843-1] c 02 N84-11136

Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214

Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154

Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444

Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445

Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493

Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132

Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N84-14323

Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491

Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

Missile rolling tail brake torque system
[NASA-CASE-LAR-12751-1] c 15 N84-16231

Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523

Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542

Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561

Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N84-20522

- Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 27 N84-22747
- Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749
- Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
- Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
- Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
- Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- Radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N84-28292
- Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388
- Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
- A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
- Structural pressure sensitive silicone adhesives
[NASA-CASE-LAR-13270-1] c 27 N84-32532
- Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
- Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448
- Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
- Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
[NASA-CASE-LAR-12858-2] c 27 N85-20124
- Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-2] c 27 N85-21349
- Double reference pulsed phase locked loop (DRP-2L-2)
[NASA-CASE-LAR-13310-1] c 32 N85-21441
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- Reusable thermal cycling clamp
[NASA-CASE-LAR-12868-1] c 37 N85-21651
- Combined riblet and LEBU drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N85-28922
- Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom
[NASA-CASE-LAR-13262-1] c 23 N85-28973
- Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N85-28975
- Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N85-29216
- Flow through bacteria detection system
[NASA-CASE-LAR-12871-1] c 35 N85-29218
- Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
- Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
- Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N85-29287
- Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
- Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335
- Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
- Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
- Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200
- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547
- Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 05 N86-19310
- Process of end-capping a polyimide system
[NASA-CASE-LAR-13135-1] c 27 N86-19456
- Polyenamides from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462
- Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479
- High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561
- Thermoplastics/thermosetting adhesive specimen bonding
[NASA-CASE-LAR-13066-1] c 27 N86-20564
- Polyimides containing ATBN elastomers and the process for preparing same
[NASA-CASE-LAR-13178-1] c 27 N86-20565
- Copolyimides with a combination of flexibilizing groups
[NASA-CASE-LAR-13354-1] c 27 N86-20566
- Advanced vapor supply manifold
[NASA-CASE-LAR-13259-1] c 37 N86-20800
- Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N86-21147
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154
- Ultrasonic angle beam standard reflector
[NASA-CASE-LAR-13153-1] c 71 N86-21276
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-2] c 27 N86-21675
- Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112
- Ice detector
[NASA-CASE-LAR-13403-1] c 03 N86-24673
- Diffusion oxygen barrier coating A02/MF A01
[NASA-CASE-LAR-13474-1-SB] c 26 N86-24814
- Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N86-24840
- Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- Deployable geodesic truss structure A01
[NASA-CASE-LAR-13113-1] c 31 N86-24867
- Flat-panel, full-color electroluminescent display
[NASA-CASE-LAR-13407-1] c 33 N86-24909
- Inductive energy for rapid strain gauge attachment
[NASA-CASE-LAR-13237-1] c 35 N86-24960
- Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N86-24993
- Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N86-25292
- Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N86-25477
- Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N86-25478
- Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
- Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791
- Lightning discharge protection rod
[NASA-CASE-LAR-13470-1] c 03 N86-26296
- Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N86-26435
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N86-26575
- Aircraft liftmeter
[NASA-CASE-LAR-12518-1] c 06 N86-27280
- Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
- Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630
- Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039
- Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1CU] c 35 N86-29174
- Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1] c 09 N86-31594
- Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N86-31630
- Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-1SB] c 25 N86-32540
- Pretreatment and reactivation of an oxide-containing catalyst
[NASA-CASE-LAR-13540-1SB] c 25 N86-32541
- Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
- Arc lamp power supply
[NASA-CASE-LAR-13202-1] c 33 N86-32626
- Two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N86-32696
- Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1CU] c 35 N86-32700
- Improved flux-gate magnetometer
[NASA-CASE-LAR-13560-1] c 35 N86-32701
- Deployable M-braced truss structure
[NASA-CASE-LAR-13081-1] c 37 N86-32737
- Photodetector array with image plane processing
[NASA-CASE-LAR-13391-1] c 74 N86-33137
- A method of estimating the molecular weight of polymeric materials
[NASA-CASE-LAR-13212-1] c 27 N87-10206
- High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N87-14282
- Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314
- Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N87-14413
- The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515
- Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof
[NASA-CASE-LAR-13318-1] c 27 N87-14516
- Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N87-14669
- Device for quick changeover between wind tunnel force and pressure testing
[NASA-CASE-LAR-13512-1] c 35 N87-14675
- Space spider crane
[NASA-CASE-LAR-13411-1SD] c 16 N87-15259
- Composite piston
[NASA-CASE-LAR-13435-1] c 37 N87-15464
- Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
- Over-the-wing propeller
[NASA-CASE-LAR-13134-2] c 07 N87-16828
- Single frequency multitransmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863
- Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N87-18535
- Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N87-18613
- Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N87-18626
- Frequency domain laser velocimeter signal
[NASA-CASE-LAR-13552-1-CU] c 33 N87-18761
- Thin-element riblet surface
[NASA-CASE-LAR-13553-1] c 34 N87-18778
- Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-19115

National Aeronautics and Space Administration. Lewis Research Center, Cleveland, Ohio.		
Foil seal	c 15	N69-21362
Fluid jet amplifier		
[NASA-CASE-XLE-03512]	c 12	N69-21466
Electrode and insulator with shielded dielectric junction		
[NASA-CASE-XLE-03778]	c 09	N69-21542
Thin window, drifted silicon, charged particle detector		
[NASA-CASE-XLE-10529]	c 14	N69-23191
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases		
[NASA-CASE-XLE-00690]	c 25	N69-39884
Ion thruster cathode		
[NASA-CASE-XLE-07087]	c 06	N69-39889
Superconducting alternator		
[NASA-CASE-XLE-02824]	c 03	N69-39890
Triode thermionic energy converter		
[NASA-CASE-XLE-01015]	c 03	N69-39898
Slug flow magneto-hydrodynamic generator		
[NASA-CASE-XLE-02083]	c 03	N69-39983
Reduced gravity liquid configuration simulator		
[NASA-CASE-XLE-02624]	c 12	N69-39988
Transpiration cooled turbine blade manufactured from wires Patent		
[NASA-CASE-XLE-00020]	c 15	N70-33226
Rocket propellant injector Patent		
[NASA-CASE-XLE-00103]	c 28	N70-33241
Modification and improvements to cooled blades Patent		
[NASA-CASE-XLE-00092]	c 15	N70-33264
Colloid propulsion method and apparatus Patent		
[NASA-CASE-XLE-00817]	c 28	N70-33265
High-vacuum condenser tank for ion rocket tests Patent		
[NASA-CASE-XLE-00168]	c 11	N70-33278
High temperature nickel-base alloy Patent		
[NASA-CASE-XLE-00151]	c 17	N70-33283
Annular rocket motor and nozzle configuration Patent		
[NASA-CASE-XLE-00078]	c 28	N70-33284
Reinforced metallic composites Patent		
[NASA-CASE-XLE-02428]	c 17	N70-33288
Process for applying a protective coating for salt bath brazing Patent		
[NASA-CASE-XLE-00046]	c 15	N70-33311
Wire grid forming apparatus Patent		
[NASA-CASE-XLE-00023]	c 15	N70-33330
Electro-thermal rocket Patent		
[NASA-CASE-XLE-00267]	c 28	N70-33356
External liquid-spray cooling of turbine blades Patent		
[NASA-CASE-XLE-00037]	c 28	N70-33372
Apparatus for igniting solid propellants Patent		
[NASA-CASE-XLE-00207]	c 28	N70-33375
Flexible seal for valves Patent		
[NASA-CASE-XLE-00101]	c 15	N70-33376
Apparatus for making a metal slurry product Patent		
[NASA-CASE-XLE-00010]	c 15	N70-33382
Energy conversion apparatus Patent		
[NASA-CASE-XLE-00212]	c 03	N70-34134
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent		
[NASA-CASE-XLE-00266]	c 14	N70-34156
Electrothermal rockets having improved heat exchangers Patent		
[NASA-CASE-XLE-01783]	c 28	N70-34175
Venting vapor apparatus Patent		
[NASA-CASE-XLE-00288]	c 15	N70-34247
Thrust vector control apparatus Patent		
[NASA-CASE-XLE-00208]	c 28	N70-34294
High temperature heat source Patent		
[NASA-CASE-XLE-00490]	c 33	N70-34545
Inlet deflector for jet engines Patent		
[NASA-CASE-XLE-00388]	c 28	N70-34788
Radiant heater having formed filaments Patent		
[NASA-CASE-XLE-00387]	c 33	N70-34812
Optical torquemeter Patent		
[NASA-CASE-XLE-00503]	c 14	N70-34818
Electric propulsion engine test chamber Patent		
[NASA-CASE-XLE-00252]	c 11	N70-34844
Conical valve plug Patent		
[NASA-CASE-XLE-00715]	c 15	N70-34859
Channel-type shell construction for rocket engines and the like Patent		
[NASA-CASE-XLE-00144]	c 28	N70-34860
Non-reusable kinetic energy absorber Patent		
[NASA-CASE-XLE-00810]	c 15	N70-34861
High temperature testing apparatus Patent		
[NASA-CASE-XLE-00335]	c 14	N70-35368
Ion thruster cathode Patent Application		
[NASA-CASE-LEW-10814-1]	c 28	N70-35422
Formed metal ribbon wrap Patent		
[NASA-CASE-XLE-00164]	c 15	N70-36411
Multistage multiple-reentry turbine Patent		
[NASA-CASE-XLE-00170]	c 15	N70-36412

Molecular beam velocity selector Patent

[NASA-CASE-XLE-01533] c 11 N71-10777

Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent

[NASA-CASE-XLE-01246] c 14 N71-10797

Capacitor and method of making same Patent

[NASA-CASE-LEW-10364-1] c 09 N71-13522

Capillary radiator Patent

[NASA-CASE-XLE-03307] c 33 N71-14035

Electrostatic ion engine having a permanent magnetic circuit Patent

[NASA-CASE-XLE-01124] c 28 N71-14043

Split welding chamber Patent

[NASA-CASE-LEW-11531] c 15 N71-14932

Method and apparatus for making curved reflectors Patent

[NASA-CASE-XLE-08917] c 15 N71-15597

Method of making a diffusion bonded refractory coating Patent

[NASA-CASE-XLE-01604-2] c 15 N71-15610

Black-body furnace Patent

[NASA-CASE-XLE-01399] c 33 N71-15625

Method of igniting solid propellants Patent

[NASA-CASE-XLE-01988] c 27 N71-15634

Fluid dispensing apparatus and method Patent

[NASA-CASE-XLE-01182] c 27 N71-15635

Automatically deploying nozzle exit cone extension Patent

[NASA-CASE-XLE-01640] c 31 N71-15637

High temperature cobalt-base alloy Patent

[NASA-CASE-XLE-00726] c 17 N71-15644

Method of making a rocket motor casing Patent

[NASA-CASE-XLE-00409] c 28 N71-15658

Rocket motor casing Patent

[NASA-CASE-XLE-05689] c 28 N71-15659

Electrostatic ion rocket engine Patent

[NASA-CASE-XLE-02066] c 28 N71-15661

High temperature cobalt-base alloy Patent

[NASA-CASE-XLE-02991] c 17 N71-16025

Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent

[NASA-CASE-XLE-02082] c 17 N71-16026

Method of improving the reliability of a rolling element system Patent

[NASA-CASE-XLE-02999] c 15 N71-16052

Process of casting heavy slips Patent

[NASA-CASE-XLE-00106] c 15 N71-16076

Boiler for generating high quality vapor Patent

[NASA-CASE-XLE-00785] c 33 N71-16104

Method of making self lubricating fluoride-metal composite materials Patent

[NASA-CASE-XLE-08511-2] c 18 N71-16105

Thrust and direction control apparatus Patent

[NASA-CASE-XLE-03583] c 31 N71-17629

Linear magnetic brake with two windings Patent

[NASA-CASE-XLE-05079] c 15 N71-17652

Method of lubricating rolling element bearings Patent

[NASA-CASE-XLE-09527] c 15 N71-17688

Hot wire liquid level detector for cryogenic fluids Patent

[NASA-CASE-XLE-00454] c 23 N71-17802

Pulsed differential comparator circuit Patent

[NASA-CASE-XLE-03804] c 10 N71-19471

Foil seal Patent

[NASA-CASE-XLE-05130-2] c 15 N71-19570

Generator for a space power system Patent

[NASA-CASE-XLE-04250] c 09 N71-20446

Method of making electrical contact on silicon solar cell and resultant product Patent

[NASA-CASE-XLE-04787] c 03 N71-20492

Small plasma probe Patent

[NASA-CASE-XLE-02578] c 25 N71-20747

Combined electrolysis device and fuel cell and method of operation Patent

[NASA-CASE-XLE-01645] c 03 N71-20904

Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent

[NASA-CASE-XLE-00787] c 14 N71-21090

Control of transverse instability in rocket combustors Patent

[NASA-CASE-XLE-04603] c 33 N71-21507

High voltage divider system Patent

[NASA-CASE-XLE-02008] c 09 N71-21583

Plasma device feed system Patent

[NASA-CASE-XLE-02902] c 25 N71-21694

Burning rate control of solid propellants Patent

[NASA-CASE-XLE-03494] c 27 N71-21819

Protective device for machine and metalworking tools Patent

[NASA-CASE-XLE-01092] c 15 N71-22797

Cryogenic insulation system Patent

[NASA-CASE-XLE-04222] c 23 N71-22881

Method for producing fiber reinforced metallic composites Patent

[NASA-CASE-XLE-03925] c 18 N71-22894

Thermal shock apparatus Patent			Cyclic switch Patent			Twisted multifilament superconductor		
[NASA-CASE-XLE-02024]	c 14	N71-22964	[NASA-CASE-LEW-10155-1]	c 09	N71-29035	[NASA-CASE-LEW-11726-1]	c 26	N73-26752
Arc electrode of graphite with ball tip Patent			Temperature reducing coating for metals subject to flame exposure Patent			Ophthalmic method and apparatus		
[NASA-CASE-XLE-04788]	c 09	N71-22987	[NASA-CASE-XLE-00035]	c 33	N71-29151	[NASA-CASE-LEW-11669-1]	c 05	N73-27062
Gas purged dry box glove Patent			Liquid spray cooling method Patent			Single grid accelerator for an ion thruster		
[NASA-CASE-XLE-02531]	c 05	N71-23080	[NASA-CASE-XLE-00027]	c 33	N71-29152	[NASA-CASE-XLE-10453-2]	c 28	N73-27699
Automatic recording McLeod gauge Patent			Turbo-machine blade vibration damper Patent			Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids		
[NASA-CASE-XLE-03280]	c 14	N71-23093	[NASA-CASE-XLE-00155]	c 28	N71-29154	[NASA-CASE-LEW-11325-1]	c 06	N73-27980
Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent			Corrosion resistant beryllium Patent			Method and apparatus for measuring electromagnetic radiation		
[NASA-CASE-XLE-04501]	c 09	N71-23190	[NASA-CASE-LEW-10327]	c 17	N71-33408	[NASA-CASE-LEW-11159-1]	c 14	N73-28488
High temperature ferromagnetic cobalt-base alloy Patent			Integrated thermoelectric generator/space antenna combination			Welding blades to rotors		
[NASA-CASE-XLE-03629]	c 17	N71-23248	[NASA-CASE-XER-09521]	c 09	N72-12136	[NASA-CASE-LEW-10533-1]	c 15	N73-28515
Induction furnace with perforated tungsten foil shielding Patent			Sensing probe			Low mass rolling element for bearings		
[NASA-CASE-XLE-04026]	c 14	N71-23267	[NASA-CASE-LEW-10281-1]	c 14	N72-17327	[NASA-CASE-LEW-11087-1]	c 15	N73-30458
Gd or Sm doped silicon semiconductor composition Patent			Method of making emf cell			Swirl can primary combustor		
[NASA-CASE-XLE-10715]	c 26	N71-23292	[NASA-CASE-LEW-11359-2]	c 03	N72-20034	[NASA-CASE-LEW-11326-1]	c 23	N73-30665
Protection of serially connected solar cells against open circuits by the use of shunting diode Patent			[NASA-CASE-XLE-04599]	c 22	N72-20597	Enhanced diffusion welding		
[NASA-CASE-XLE-04535]	c 03	N71-23354	Switching regulator			[NASA-CASE-LEW-11388-1]	c 15	N73-32358
Superconducting alternator Patent			[NASA-CASE-LEW-11005-1]	c 09	N72-21243	High speed hybrid bearing comprising a fluid bearing and a rolling bearing convected in series		
[NASA-CASE-XLE-02823]	c 09	N71-23443	Saturation current protection apparatus for saturable core transformers			[NASA-CASE-LEW-11152-1]	c 15	N73-32359
Silicon solar cell with cover glass bonded to cell by metal pattern Patent			[NASA-CASE-ERC-10075-2]	c 09	N72-22196	Nickel aluminate coated low alloy stainless steel		
[NASA-CASE-XLE-08569]	c 03	N71-23449	Pulse coupling circuit			[NASA-CASE-LEW-11267-1]	c 17	N73-32414
Analytical test apparatus and method for determining oxide content of alkali metal Patent			[NASA-CASE-LEW-10433-1]	c 09	N72-22197	Cobalt-base alloy		
[NASA-CASE-XLE-01997]	c 06	N71-23527	Solid state remote circuit selector switch			[NASA-CASE-LEW-10436-1]	c 17	N73-32415
Thermionic converter with current augmented by self induced magnetic field Patent			[NASA-CASE-LEW-10387]	c 09	N72-22201	Nuclear fuel elements		
[NASA-CASE-XLE-01903]	c 22	N71-23599	Load-insensitive electrical device			[NASA-CASE-XLE-00209]	c 22	N73-32528
Semiconductor material and method of making same Patent			[NASA-CASE-XER-11046]	c 09	N72-22203	Method of fabricating a twisted composite superconductor		
[NASA-CASE-XLE-02798]	c 26	N71-23654	High speed rolling element bearing			[NASA-CASE-LEW-11015]	c 26	N73-32571
Insulation system Patent			[NASA-CASE-LEW-10856-1]	c 15	N72-22490	Space vehicle with artificial gravity and earth-like environment		
[NASA-CASE-XLE-02647]	c 18	N71-23658	Production of metal powders			[NASA-CASE-LEW-11101-1]	c 31	N73-32750
Self-lubricating fluoride metal composite materials Patent			[NASA-CASE-XLE-06461]	c 17	N72-22530	Production of hollow components for rolling element bearings by diffusion welding		
[NASA-CASE-XLE-08511]	c 18	N71-23710	Nickel base alloy			[NASA-CASE-LEW-11026-1]	c 15	N73-33383
Alloys for bearings Patent			[NASA-CASE-LEW-10874-1]	c 17	N72-22535	Electron beam controller		
[NASA-CASE-XLE-05033]	c 15	N71-23810	Ion thruster magnetic field control			[NASA-CASE-LEW-11617-1]	c 33	N74-10195
Extrusion die for refractory metals Patent			[NASA-CASE-LEW-10835-1]	c 28	N72-22771	Spiral groove seal		
[NASA-CASE-XLE-06773]	c 15	N71-23817	Electrically conductive fluorocarbon polymer			[NASA-CASE-LEW-10326-3]	c 37	N74-10474
Combustion chamber Patent			[NASA-CASE-XLE-06774-2]	c 06	N72-25150	Method of heat treating a formed powder product material		
[NASA-CASE-XLE-04857]	c 28	N71-23968	Analog Signal to Discrete Time Interval Converter (ASDTIC)			[NASA-CASE-LEW-10805-3]	c 26	N74-10521
Metallic film diffusion for boundary lubrication Patent			[NASA-CASE-ERC-10048]	c 09	N72-25251	Apparatus for welding blades to rotors		
[NASA-CASE-XLE-10337]	c 15	N71-24046	Controllable load insensitive power converters			[NASA-CASE-LEW-10533-2]	c 37	N74-11300
Process for producing dispersion strengthened nickel with aluminum Patent			[NASA-CASE-ERC-10268]	c 09	N72-25252	High powered arc electrodes		
[NASA-CASE-XLE-06969]	c 17	N71-24142	Angular velocity and acceleration measuring apparatus			[NASA-CASE-LEW-11162-1]	c 33	N74-12913
Thermal radiation shielding Patent			[NASA-CASE-ERC-10292]	c 14	N72-25410	Method of forming articles of manufacture from superalloy powders		
[NASA-CASE-XLE-03432]	c 33	N71-24145	Electrical insulating layer process			[NASA-CASE-LEW-10805-2]	c 37	N74-13179
Method of attaching a cover glass to a silicon solar cell Patent			[NASA-CASE-LEW-10489-1]	c 15	N72-25447	Deposition of alloy films		
[NASA-CASE-XLE-08569-2]	c 03	N71-24681	Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering			[NASA-CASE-LEW-11262-1]	c 27	N74-13270
Rocket engine injector Patent			[NASA-CASE-LEW-10965-1]	c 15	N72-25452	Supersonic-combustion rocket		
[NASA-CASE-XLE-03157]	c 28	N71-24736	Method of making fiber composites			[NASA-CASE-LEW-11058-1]	c 20	N74-13502
Multialarm summary alarm Patent			[NASA-CASE-LEW-10424-2]	c 18	N72-25539	Method of making silicon solar cell array		
[NASA-CASE-XLE-03061-1]	c 10	N71-24798	Electricity measurement devices employing liquid crystalline materials			[NASA-CASE-LEW-11069-1]	c 44	N74-14784
Apparatus for making curved reflectors Patent			[NASA-CASE-ERC-10275]	c 26	N72-25680	Spiral groove seal		
[NASA-CASE-XLE-08917-2]	c 15	N71-24836	Ablative system			[NASA-CASE-XLE-10326-4]	c 37	N74-15125
Flow angle sensor and read out system Patent			[NASA-CASE-LEW-10359]	c 33	N72-25911	Method of making rolling element bearings		
[NASA-CASE-XLE-04503]	c 14	N71-24864	Inductance device with vacuum insulation			[NASA-CASE-LEW-11087-2]	c 37	N74-15128
Shock tube powder dispersing apparatus Patent			[NASA-CASE-LEW-10330-1]	c 09	N72-27226	Gas turbine exhaust nozzle		
[NASA-CASE-XLE-04946]	c 17	N71-24911	Apparatus for sensing temperature			[NASA-CASE-LEW-11569-1]	c 07	N74-15453
Pneumatic oscillator Patent			[NASA-CASE-XLE-05230]	c 14	N72-27410	Demodulator for carrier transducers		
[NASA-CASE-LEW-10345-1]	c 10	N71-25899	Apparatus for producing metal powders			[NASA-CASE-NUC-10107-1]	c 33	N74-17930
Heat activated cell with alkali anode and alkali salt electrolyte Patent			[NASA-CASE-XLE-05461-2]	c 17	N72-28535	Diffusion welding in air		
[NASA-CASE-LEW-11358]	c 03	N71-26084	Refractory metal base alloy composites			[NASA-CASE-LEW-11387-1]	c 37	N74-18128
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent			[NASA-CASE-XLE-03940-2]	c 17	N72-28536	Airflow control system for supersonic inlets		
[NASA-CASE-XLE-03940]	c 18	N71-26153	Spiral groove seal			[NASA-CASE-LEW-11188-1]	c 02	N74-20646
Ion beam deflector Patent			[NASA-CASE-XLE-10326-2]	c 15	N72-29488	Rapidly pulsed, high intensity, incoherent light source		
[NASA-CASE-LEW-10689-1]	c 28	N71-26173	Production of high purity 1-123			[NASA-CASE-XLE-2529-3]	c 33	N74-20859
Rolling element bearings Patent			[NASA-CASE-LEW-10518-1]	c 24	N72-33681	Electromagnetic flow rate meter		
[NASA-CASE-XLE-09527-2]	c 15	N71-26189	Electrostatic collector for charged particles			[NASA-CASE-LEW-10981-1]	c 35	N74-21018
Ion thruster accelerator system Patent			[NASA-CASE-LEW-11192-1]	c 09	N73-13208	Diffusion welding		
[NASA-CASE-LEW-11016-1]	c 28	N71-26642	Method of making apparatus for sensing temperature			[NASA-CASE-LEW-11388-2]	c 37	N74-21055
Propellant feed isolator Patent			[NASA-CASE-XLE-05230-2]	c 14	N73-13417	Journal bearings		
[NASA-CASE-LEW-10210-1]	c 28	N71-26781	Method of forming superalloys			[NASA-CASE-LEW-11078-1]	c 37	N74-21061
Heat activated cell Patent			[NASA-CASE-LEW-10805-1]	c 15	N73-13465	Glass-to-metal seals comprising relatively high expansion metals		
[NASA-CASE-LEW-11359]	c 03	N71-28579	Rocket thrust throttling system			[NASA-CASE-LEW-10698-1]	c 37	N74-21063
Process for glass coating an ion accelerator grid Patent			[NASA-CASE-LEW-10374-1]	c 28	N73-13773	Hollow rolling element bearings		
[NASA-CASE-LEW-10278-1]	c 15	N71-28582	Gas turbine engine fuel control			[NASA-CASE-LEW-11087-3]	c 37	N74-21064
Fluid jet amplifier Patent			[NASA-CASE-XLE-11187-1]	c 28	N73-19793	Low level signal limiter		
[NASA-CASE-XLE-09341]	c 12	N71-28741	Thermocouple tape			[NASA-CASE-XLE-04791]	c 32	N74-22096
Gas core nuclear reactor Patent			[NASA-CASE-LEW-11072-1]	c 14	N73-24472	Load insensitive electrical device		
[NASA-CASE-LEW-10250-1]	c 22	N71-28759	Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias			[NASA-CASE-XER-11046-2]	c 33	N74-22864
Gas turbine combustor Patent			[NASA-CASE-LEW-10920-1]	c 17	N73-24569	Reinforced structural plastics		
[NASA-CASE-LEW-10286-1]	c 28	N71-28915	Magneto-plasma-dynamic arc thruster			[NASA-CASE-LEW-10199-1]	c 27	N74-23125
			[NASA-CASE-LEW-11180-1]	c 25	N73-25760	Jet exhaust noise suppressor		
			Ablative system			[NASA-CASE-LEW-11286-1]	c 07	N74-27490
			[NASA-CASE-LEW-10359-2]	c 33	N73-25952	High current electrical lead		
			Parasitic suppressing circuit			[NASA-CASE-LEW-10950-1]	c 33	N74-27683
			[NASA-CASE-ERC-10403-1]	c 10	N73-26228	Magnetocaloric pump		
						[NASA-CASE-LEW-11672-1]	c 37	N74-29004

- Supersonic fan blading
[NASA-CASE-LEW-11402-1] c 07 N74-28226
- Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
- Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
- Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- Method of protecting the surface of a substrate
[NASA-CASE-LEW-11696-1] c 37 N75-13261
- Circuit for detecting initial systole and diastolic notch
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
- Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
- High speed, self-acting shaft seal
[NASA-CASE-LEW-11274-1] c 37 N75-21631
- High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
- Combination automatic-starting electrical plasma torch and gas shutoff valve
[NASA-CASE-XLE-10717] c 37 N75-29426
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
- Protected isotope heat source
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
- Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
- Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
- Controlled separation combustor
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- Shock position sensor for supersonic inlets
[NASA-CASE-LEW-11915-1] c 35 N76-14431
- Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461
- Covered silicon solar cells and method of manufacture
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
- Thermocouple tape
[NASA-CASE-LEW-11072-2] c 35 N76-15434
- Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- Deuterium pass through target
[NASA-CASE-LEW-11866-1] c 72 N76-15860
- Fused silicide coatings containing discrete particles for protecting niobium alloys
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
- Bearing material
[NASA-CASE-LEW-11930-1] c 24 N76-22309
- Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
- Method of making an apertured casting
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
- Method of producing I-123
[NASA-CASE-LEW-11390-2] c 25 N76-27383
- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
- Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
- Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
- Dual output variable pitch turbopump actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
- Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
- Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
- Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- Solar cell assembly
[NASA-CASE-LEW-11549-1] c 44 N77-19571
- Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
- Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
- Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
- Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
- Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
- Nickel base alloy
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
- Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
- Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
- Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
- Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
- Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 31 N78-17237
- Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293
- Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
- Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
- Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182
- Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
- Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- Selective coating for solar panels
[NASA-CASE-LEW-12159-1] c 44 N78-19599
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
- Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
- Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
- Counter pumping debris excluder and separator
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226
- Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
- Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418
- Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
- Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
- Heat exchanger
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
- Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
- Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
- Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
- Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- Formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-1] c 44 N79-17313
- Method of making bearing materials
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-1] c 37 N79-18318
- Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
- Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Hypervelocity gun
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

- In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
- Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- Atomic hydrogen storage
[NASA-CASE-LEW-12081-2] c 28 N80-20402
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Modification of the electrical and optical properties of polymers
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
- Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
- Improved refractory coatings
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Curing agent for polyepoxides and epoxy resins and composites cured therewith
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
- In-situ cross linking of polyvinyl alcohol
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Toroidal cell and battery
[NASA-CASE-LEW-12918-1] c 44 N81-24521
- Corrosion resistant thermal barrier coating
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- Polyvinyl alcohol battery separator containing inert filler
[NASA-CASE-LEW-13556-1] c 44 N81-27615
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
- High thermal power density heat transfer
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
- Multistage depressed collector for dual mode operation
[NASA-CASE-LEW-13282-1] c 33 N82-24415
- Thrust reverser for a long duct fan engine
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
- Texturing polymer surfaces by transfer casting
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Method of protecting a surface with a silicon-slurry/aluminide coating
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Ion sputter textured graphite
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
- Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
- Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- Silicon-slurry/aluminide coating
[NASA-CASE-LEW-13343] c 26 N83-31795
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 33 N84-14422
- Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
- Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
- Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
- Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
- Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
- Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885
- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974
- Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
- Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
- Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663
- Diesel engine catalytic combustor system
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153
- Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
- Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352
- Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492
- Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982

Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid [NASA-CASE-LEW-13102-1] c 33 N85-29144

Apparatus for mounting a field emission cathode [NASA-CASE-LEW-14108-1] c 33 N85-29149

High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes [NASA-CASE-LEW-12950-2] c 34 N85-29179

Arc spray fabrication of metal matrix composite monotape [NASA-CASE-LEW-13828-1] c 24 N85-30027

Chemical approach for controlling nadimide cure temperature and rate [NASA-CASE-LEW-13770-6] c 25 N85-30039

Variable force, eddy-current or magnetic damper [NASA-CASE-LEW-13717-1] c 37 N85-30333

Vortex generating flow passage design for increased film cooling effectiveness [NASA-CASE-LEW-14039-1] c 34 N85-33433

Multistage spent particle collector and a method for making same [NASA-CASE-LEW-13914-1] c 37 N85-33489

Dual clearance squeeze film damper [NASA-CASE-LEW-13506-1] c 37 N85-33490

Thermionic photovoltaic energy converter [NASA-CASE-LEW-14072-1] c 44 N85-34441

Flow modifying device [NASA-CASE-LEW-13562-2] c 07 N85-35195

Thermal barrier coating system [NASA-CASE-LEW-14057-1] c 24 N85-35233

Oxidation resistant slurry coating for carbon-based materials [NASA-CASE-LEW-13923-1] c 26 N85-35267

High temperature resistant polyimide from tetra ester, diamine, diester and N-arylnadimide [NASA-CASE-LEW-13864-1] c 27 N86-19457

Oxidation protection coatings for polymers [NASA-CASE-LEW-14072-1] c 27 N86-19458

Compliant hydrodynamic fluid journal bearing [NASA-CASE-LEW-13670-1] c 37 N86-19606

Negative electrode catalyst for the iron chromium redox energy storage system [NASA-CASE-LEW-14028-1] c 44 N86-19721

Method for improving the fuel efficiency of a gas turbine engine [NASA-CASE-LEW-13142-2] c 07 N86-20389

Piezoelectric deicing device [NASA-CASE-LEW-13773-2] c 33 N86-20671

Hybrid power semiconductor [NASA-CASE-LEW-13922-1] c 33 N86-20672

Method and apparatus for rebalancing a REDOX flow cell system [NASA-CASE-LEW-14127-1] c 33 N86-20680

Linearized traveling wave amplifier with hard limiter characteristics [NASA-CASE-LEW-13981-2] c 33 N86-21742

Variable friction secondary seal for face seals [NASA-CASE-LEW-14170-1] c 37 N86-25790

Oxygen recombination in individual pressure vessel nickel-hydrogen batteries [NASA-CASE-LEW-13822-1] c 44 N86-25874

Heat treatment for superalloy [NASA-CASE-LEW-14262-1] c 26 N86-26414

Oxidation protecting coatings for polymers [NASA-CASE-LEW-14072-3] c 27 N86-26434

Ion-beam nitriding of steels [NASA-CASE-LEW-14104-2] c 26 N86-32556

Apparatus for producing oxidation protection coatings for polymers [NASA-CASE-LEW-14072-2] c 27 N86-32569

Textured carbon surfaces on copper by sputtering [NASA-CASE-LEW-14130-1] c 31 N86-32587

Thermal stress minimized, two component, turbine shroud seal [NASA-CASE-LEW-14212-1] c 37 N86-32740

Lithium counterdoped silicon solar cell [NASA-CASE-LEW-14177-1] c 44 N86-32875

Coaxial tube tether/transmission line for manned nuclear space power [NASA-CASE-LEW-14338-1] c 20 N87-10174

Carbide/fluoride/silver self-lubricating composite [NASA-CASE-LEW-14196-1] c 24 N87-10179

Castable hot corrosion resistant alloy [NASA-CASE-LEW-14134-1] c 26 N87-10192

Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis [NASA-CASE-LEW-14345-1] c 23 N87-14432

New condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures [NASA-CASE-LEW-14346-1] c 23 N87-14433

Nickel base coating alloy [NASA-CASE-LEW-13834-1] c 26 N87-14482

Fiber reinforced ceramic material [NASA-CASE-LEW-14392-1] c 27 N87-14517

Gas particle radiator [NASA-CASE-LEW-14297-1] c 35 N87-15452

Heat exchanger for electrothermal devices [NASA-CASE-LEW-14037-1] c 20 N87-16875

National Aeronautics and Space Administration.
Manned Spacecraft Center, Cape Canaveral, Fla.
 Electrode for biological recording [NASA-CASE-XMS-02872] c 05 N69-21925

National Aeronautics and Space Administration.
Manned Spacecraft Center, Langley Station, Va.
 Plural recorder system [NASA-CASE-XMS-06949] c 09 N69-21467

National Aeronautics and Space Administration.
Marshall Space Flight Center, Huntsville, Ala.
 Electrical feed-through connection for printed circuit boards and printed cable [NASA-CASE-XMF-01483] c 14 N69-27431

Method for detecting hydrogen gas [NASA-CASE-XMF-03873] c 06 N69-39733

Electrical connector Patent Application [NASA-CASE-MFS-14741] c 09 N70-20737

Angular measurement system Patent [NASA-CASE-XMF-00447] c 14 N70-33179

Insulating structure Patent [NASA-CASE-XMF-00341] c 15 N70-33323

Space vehicle electrical system Patent [NASA-CASE-XMF-00517] c 03 N70-34157

Pivotal shock absorbing pad assembly Patent [NASA-CASE-XMF-03856] c 31 N70-34159

Gimbaled, partially submerged rocket nozzle Patent [NASA-CASE-XMF-01544] c 28 N70-34162

Recoverable rocket vehicle Patent [NASA-CASE-XMF-00389] c 31 N70-34176

Electrical discharge apparatus for forming Patent [NASA-CASE-XMF-00375] c 15 N70-34249

Optical inspection apparatus Patent [NASA-CASE-XMF-00462] c 14 N70-34298

Relay binary circuit Patent [NASA-CASE-XMF-00421] c 09 N70-34502

Attitude and propellant flow control system and method Patent [NASA-CASE-XMF-00185] c 21 N70-34539

Electrical connector for flat cables Patent [NASA-CASE-XMF-00324] c 09 N70-34596

Externally pressurized fluid bearing Patent [NASA-CASE-XMF-00515] c 15 N70-34664

Force measuring instrument Patent [NASA-CASE-XMF-00456] c 14 N70-34705

Seismic displacement transducer Patent [NASA-CASE-XMF-00479] c 14 N70-34794

Electric arc welding Patent [NASA-CASE-XMF-00392] c 15 N70-34814

Assembly for recovering a capsule Patent [NASA-CASE-XMF-00641] c 31 N70-36410

Printed cable connector Patent [NASA-CASE-XMF-00369] c 09 N70-36494

Landing pad assembly for aerospace vehicles Patent [NASA-CASE-XMF-02853] c 31 N70-36654

Electric arc driven wind tunnel Patent [NASA-CASE-XMF-00411] c 11 N70-36913

Gravity device Patent [NASA-CASE-XMF-00424] c 11 N70-38196

Injector for bipropellant rocket engines Patent [NASA-CASE-XMF-00148] c 28 N70-38710

Electronic motor control system Patent [NASA-CASE-XMF-01129] c 09 N70-38712

Slosh suppressing device and method Patent [NASA-CASE-XMF-00658] c 12 N70-38997

Air bearing Patent [NASA-CASE-XMF-00339] c 15 N70-39896

Instrument support with precise lateral adjustment Patent [NASA-CASE-XMF-00480] c 14 N70-39898

Segmented back-up bar Patent [NASA-CASE-XMF-00640] c 15 N70-39924

Collapsible loop antenna for space vehicle Patent [NASA-CASE-XMF-00437] c 07 N70-40202

Flexible back-up bar Patent [NASA-CASE-XMF-00722] c 15 N70-40204

Electro-optical alignment control system Patent [NASA-CASE-XMF-00908] c 14 N70-40238

Missile launch release system Patent [NASA-CASE-XMF-03198] c 30 N70-40353

Double-acting shock absorber Patent [NASA-CASE-XMF-01045] c 15 N70-40354

Portable alignment tool Patent [NASA-CASE-XMF-01452] c 15 N70-41371

Device for suppressing sound and heat produced by high-velocity exhaust jets Patent [NASA-CASE-XMF-01813] c 28 N70-41582

Unfired-ceramic flame-resistant insulation and method of making the same Patent [NASA-CASE-XMF-01030] c 18 N70-41583

Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent [NASA-CASE-XMF-00906] c 09 N70-41655

Support apparatus for dynamic testing Patent [NASA-CASE-XMF-01772] c 11 N70-41677

Locking device with rolling detents Patent [NASA-CASE-XMF-01371] c 15 N70-41829

Tank construction for space vehicles Patent [NASA-CASE-XMF-01899] c 31 N70-41948

Positive displacement flowmeter Patent [NASA-CASE-XMF-02822] c 14 N70-41994

Hydraulic support for dynamic testing Patent [NASA-CASE-XMF-03248] c 11 N71-10604

Fiber optic vibration transducer and analyzer Patent [NASA-CASE-XMF-02433] c 14 N71-10616

Method and means for damping nutation in a satellite Patent [NASA-CASE-XMF-00442] c 31 N71-10747

Heat pipe thermionic diode power system Patent [NASA-CASE-XMF-05843] c 03 N71-11055

Synthesis of siloxane-containing epoxy polymers Patent [NASA-CASE-MFS-13994-1] c 06 N71-11240

Bi-carrier demodulator with modulation Patent [NASA-CASE-XMF-01160] c 07 N71-11298

Harness assembly Patent [NASA-CASE-MFS-14671] c 05 N71-12341

Magnetic matrix memory system Patent [NASA-CASE-XMF-05835] c 08 N71-12504

Pulse amplitude and width detector Patent [NASA-CASE-XMF-06519] c 09 N71-12519

Microwave power receiving antenna Patent [NASA-CASE-MFS-20333] c 09 N71-13486

Hybrid holographic system using reflected and transmitted object beams simultaneously Patent [NASA-CASE-MFS-20074] c 16 N71-15565

Reactance control system Patent [NASA-CASE-XMF-01598] c 21 N71-15583

Apparatus for welding torch angle and seam tracking control Patent [NASA-CASE-XMF-03287] c 15 N71-15607

Multway vortex valve system Patent [NASA-CASE-XMF-04709] c 15 N71-15609

Injector assembly for liquid fueled rocket engines Patent [NASA-CASE-XMF-00968] c 28 N71-15660

Space capsule ejection assembly Patent [NASA-CASE-XMF-03169] c 31 N71-15675

Air cushion lift pad Patent [NASA-CASE-MFS-14685] c 31 N71-15689

Method of making a molded connector Patent [NASA-CASE-XMF-03498] c 15 N71-15986

Regenerative braking system Patent [NASA-CASE-XMF-01096] c 10 N71-16030

Condition and condition duration indicator Patent [NASA-CASE-XMF-01097] c 10 N71-16058

Method and apparatus for securing to a spacecraft Patent [NASA-CASE-MFS-11133] c 31 N71-16222

Method and apparatus of simulating zero gravity conditions Patent [NASA-CASE-MFS-12750] c 27 N71-16223

Passive optical wind and turbulence detection system Patent [NASA-CASE-XMF-14032] c 20 N71-16340

Serpentaurer Patent [NASA-CASE-XMF-05344] c 31 N71-16345

Gravimeter Patent [NASA-CASE-XMF-05844] c 14 N71-17587

High pressure gas filter system Patent [NASA-CASE-MFS-12806] c 14 N71-17588

Burst diaphragm flow initiator Patent [NASA-CASE-XMF-12915] c 11 N71-17600

Vacuum deposition apparatus Patent [NASA-CASE-XMF-01667] c 15 N71-17647

Quick disconnect latch and handle combination Patent [NASA-CASE-MFS-11132] c 15 N71-17649

Method and apparatus for precision sizing and joining of large diameter tubes Patent [NASA-CASE-XMF-05114] c 15 N71-17650

Low temperature flexure fatigue cryostat Patent [NASA-CASE-XMF-02964] c 14 N71-17659

Precision stepping drive Patent [NASA-CASE-MFS-14772] c 15 N71-17692

Multi-mission module Patent [NASA-CASE-XMF-01543] c 31 N71-17730

Ratchet mechanism Patent [NASA-CASE-MFS-12805] c 15 N71-17805

Method of making impurity-type semiconductor electrical contacts Patent [NASA-CASE-XMF-01016] c 26 N71-17818

Apparatus for the determination of the existence or non-existence of a bonding between two members Patent [NASA-CASE-MFS-13686] c 15 N71-18132

Static inverters which sum a plurality of waves Patent [NASA-CASE-XMF-00663] c 08 N71-18752

Space environmental work simulator Patent [NASA-CASE-XMF-07488] c 11 N71-18773

- Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214
- Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
- Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
- Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
- Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
- Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396
- Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
- Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
- Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
- Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
- Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
- Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
- Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
- Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
- Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
- Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
- Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
- Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912
- High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
- Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24205
- Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843
- Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
- Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
- Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
- Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
- Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
- Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
- Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
- Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N71-11365
- Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N71-11386
- Method of making foamed materials in zero gravity
[NASA-CASE-MFS-09902] c 15 N71-11387
- Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N71-11388
- Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N71-11392
- Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N71-11595
- Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N71-17183
- Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N71-17324
- Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N71-17820
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N71-20097
- Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N71-20446
- An airlock
[NASA-CASE-MFS-20922] c 31 N71-20840
- Phototching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N71-21094
- Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N71-21310
- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N71-21407
- Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N71-21463
- Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N71-22195
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N71-22198
- Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N71-22439
- Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N71-22492
- Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N71-22566
- High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N71-23215
- Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N71-25148
- Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N71-25151
- Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N71-25171
- Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N71-25261
- Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N71-25288
- Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N71-27262
- Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N71-27412
- Electrical connector
[NASA-CASE-MFS-20757] c 09 N71-28225
- Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N71-28495
- Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N71-28496
- Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N71-31446
- Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N71-32688
- Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N71-33072
- Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N71-33377
- Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N71-12604
- Differential pressure control
[NASA-CASE-MFS-14216] c 14 N71-13418
- Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N71-13466
- Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N71-13662
- Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N71-19457
- Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N71-20267
- Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N71-20476
- Rateometer
[NASA-CASE-MFS-20418] c 14 N71-24473
- Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N71-25125
- Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N71-25460
- Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N71-26751
- Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N71-26876
- Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N71-27150
- Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N71-27377
- Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N71-27405
- Ergometer
[NASA-CASE-MFS-21109-1] c 05 N71-27941
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N71-30078
- Measurement system
[NASA-CASE-MFS-20658-1] c 14 N71-30386
- Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N71-30389
- Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N71-30476
- Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N71-30532
- Polymerizable disilanol having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N71-32030
- Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N71-32107
- Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N71-32145
- Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N71-32437
- Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N71-10415
- Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N71-12778
- Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N71-12951
- Vee-notching device
[NASA-CASE-MFS-20730-1] c 39 N71-13131
- Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N71-15130
- Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N71-15146

- Method and apparatus for nondestructive testing
[NASA-CASE-MFS-21233-1] c 38 N74-15395
- Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
- Nonflammable coating compositions
[NASA-CASE-MFS-20486-2] c 27 N74-17283
- Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853
- Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
- Reinforced polyquinoxaline gasket and method of preparing the same
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- Manual actuator
[NASA-CASE-MFS-21481-1] c 37 N74-18127
- Cryogenic gyroscope housing
[NASA-CASE-MFS-21136-1] c 35 N74-18323
- Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
- Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- Metabolic analyzer
[NASA-CASE-MFS-21415-1] c 52 N74-20728
- Automatic quadrature control and measuring system
[NASA-CASE-MFS-21660-1] c 35 N74-21017
- Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Low distortion automatic phase control circuit
[NASA-CASE-MFS-21671-1] c 33 N74-22885
- Two speed drive system
[NASA-CASE-MFS-20645-1] c 37 N74-23070
- Insert facing tool
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- LC-oscillator with automatic stabilized amplitude via bias current control
[NASA-CASE-MFS-21698-1] c 33 N74-26732
- Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
- Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
- Electrophoretic sample insertion
[NASA-CASE-MFS-21395-1] c 25 N74-26948
- Sprag solenoid brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Device for configuring multiple leads
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- Thrust-isolating mounting
[NASA-CASE-MFS-21680-1] c 18 N74-27397
- Battery testing device
[NASA-CASE-MFS-20761-1] c 44 N74-27519
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
- Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
- Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864
- Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
- Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
- Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
- System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161
- Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
- Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- Orthotic arm joint
[NASA-CASE-MFS-21611-1] c 54 N75-12616
- Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
- Phase-locked servo system
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-1] c 75 N75-13625
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874
- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- Ergometer calibrator
[NASA-CASE-MFS-21045-1] c 35 N75-15932
- Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
- Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- Multiplate focusing collimator
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
- Internally supported flexible duct joint
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- Pseudo-noise test set for communication system evaluation
[NASA-CASE-MFS-22671-1] c 35 N75-21582
- Device for use in loading tension members
[NASA-CASE-MFS-21488-1] c 14 N75-24794
- Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
- Hole cutter
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
- Method of determining bond quality of power transistors attached to substrates
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- Brazing alloy binder
[NASA-CASE-MFS-05868] c 26 N75-27125
- Brazing alloy composition
[NASA-CASE-MFS-06053] c 26 N75-27126
- Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
- Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
- Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-MFS-05882] c 35 N75-27329
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Carbon monoxide monitor
[NASA-CASE-MFS-22060-1] c 35 N75-29380
- Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
- Integrable power gyrator
[NASA-CASE-MFS-22342-1] c 33 N75-30428
- Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
- Solar energy power system
[NASA-CASE-MFS-21628-1] c 44 N75-32581
- System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
- Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
- Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
- Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457
- Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
- Thermoelectric power system
[NASA-CASE-MFS-22002-1] c 44 N76-16612
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
- Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402
- Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
- Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436
- Traffic survey system
[NASA-CASE-MFS-22631-1] c 66 N76-19888
- Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
- System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275
- Filtering device
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
- Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657
- Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
- Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
- Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
- Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- Thermal energy storage system
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-18609-3] c 03 N76-32140
- Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
- Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
- Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
- Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844
- Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
- Method of growing composites of the type exhibiting the Soret effect
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511
- Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436
- Real time reflectometer
[NASA-CASE-MFS-23118-1] c 35 N77-31465
- Method of crystallization
[NASA-CASE-MFS-23001-1] c 76 N77-32919

Power factor control system for AC induction motors [NASA-CASE-MFS-23280-1]	c 33	N78-10376	Coal-shale interface detection [NASA-CASE-MFS-23720-3]	c 43	N79-25443	Photoelectric detection system [NASA-CASE-MFS-23776-1]	c 33	N82-28545
Germanium coated microbridge and method [NASA-CASE-MFS-23274-1]	c 33	N78-13320	General purpose rocket furnace [NASA-CASE-MFS-23460-1]	c 12	N79-26075	Apparatus for sequentially transporting containers [NASA-CASE-MFS-23846-1]	c 37	N82-32731
Laser extensometer [NASA-CASE-MFS-19259-1]	c 36	N78-14380	Contour measurement system [NASA-CASE-MFS-23726-1]	c 43	N79-26439	Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber [NASA-CASE-MFS-15670-1]	c 33	N82-33634
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope [NASA-CASE-MFS-22409-2]	c 74	N78-15880	Method of construction of a multi-cell solar array [NASA-CASE-MFS-23540-1]	c 44	N79-26475	Electrophoresis device [NASA-CASE-MFS-25426-1]	c 25	N83-10126
Projection system for display of parallax and perspective [NASA-CASE-MFS-23194-1]	c 35	N78-17357	Thickness measurement system [NASA-CASE-MFS-23721-1]	c 31	N79-28370	Combinational logic for generating gate drive signals for phase control rectifiers [NASA-CASE-MFS-25208-1]	c 33	N83-10345
Gas ion laser construction for electrically isolating the pressure gauge thereof [NASA-CASE-MFS-22597]	c 36	N78-17366	Coal-rock interface detector [NASA-CASE-MFS-23725-1]	c 43	N79-31706	Static continuous electrophoresis device [NASA-CASE-MFS-25306-1]	c 25	N83-13187
Wrist joint assembly [NASA-CASE-MFS-23311-1]	c 54	N78-17676	Calibrating pressure switch [NASA-CASE-MFS-04494-1]	c 33	N79-33392	Collimated beam manifold with the number of output beams variable at a given output angle [NASA-CASE-MFS-25312-1]	c 74	N83-17305
Semiconductor projectile impact detector [NASA-CASE-MFS-23008-1]	c 35	N78-18390	Passive propellant system [NASA-CASE-MFS-23642-1]	c 20	N80-10278	Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems [NASA-CASE-MFS-25843-1]	c 20	N83-17588
Sprayable low density ablator and application process [NASA-CASE-MFS-23506-1]	c 24	N78-24290	Electrophoretic fractional elution apparatus employing a rotational seal fraction collector [NASA-CASE-MFS-23284-1]	c 37	N80-14397	Extended range X-ray telescope [NASA-CASE-MFS-25282-1]	c 34	N83-19015
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction [NASA-CASE-MFS-23315-1]	c 76	N78-24950	Coal-shale interface detection system [NASA-CASE-MFS-23720-2]	c 43	N80-14423	Automatic weld torch guidance control system [NASA-CASE-MFS-25807]	c 37	N83-20154
Tetherline system for orbiting satellites [NASA-CASE-MFS-23564-1]	c 15	N78-25119	Solar concentrator [NASA-CASE-MFS-23727-1]	c 44	N80-14473	Electrical rotary joint apparatus for large space structures [NASA-CASE-MFS-23981-1]	c 07	N83-20944
Method and apparatus for conditioning of nickel-cadmium batteries [NASA-CASE-MFS-23270-1]	c 44	N78-25531	Aluminum or copper substrate panel for selective absorption of solar energy [NASA-CASE-MFS-23518-3]	c 44	N80-16452	Gas levitator having fixed levitation node for containerless processing [NASA-CASE-MFS-25509-1]	c 35	N83-24828
Passive propellant system [NASA-CASE-MFS-23642-2]	c 20	N78-27176	Method for separating biological cells [NASA-CASE-MFS-23883-1]	c 51	N80-16715	Electrical power generating system [NASA-CASE-MFS-25302-1]	c 33	N83-28319
Field effect transistor and method of construction thereof [NASA-CASE-MFS-23312-1]	c 33	N78-27326	Oceanic wave measurement system [NASA-CASE-MFS-23862-1]	c 48	N80-18667	Satellite retrieval system [NASA-CASE-MFS-25403-1]	c 18	N83-29303
Plasma cleaning device [NASA-CASE-MFS-22906-1]	c 75	N78-27913	Wind wheel electric power generator [NASA-CASE-MFS-23515-1]	c 44	N80-21828	Method and apparatus for supercooling and solidifying substances [NASA-CASE-MFS-25242-1]	c 35	N83-29650
Process for spinning flame retardant elastomeric compositions [NASA-CASE-MSC-14331-3]	c 27	N78-32262	Preparation of monolithic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown [NASA-CASE-MFS-23816-1]	c 26	N80-23419	Dual laser optical system and method for studying fluid flow [NASA-CASE-MFS-25315-1]	c 36	N83-29680
Velocity measurement system [NASA-CASE-MFS-23363-1]	c 35	N78-32396	Coal-shale interface detector [NASA-CASE-MFS-23720-1]	c 43	N80-23711	Beam connector apparatus and assembly [NASA-CASE-MFS-25134-1]	c 31	N83-31895
Hybrid holographic non-destructive test system [NASA-CASE-MFS-23114-1]	c 38	N78-32447	Cork-resin ablative insulation for complex surfaces and method for applying the same [NASA-CASE-MFS-23626-1]	c 24	N80-26388	Adaptive reference voltage generator for firing angle control of line-commutated inverters [NASA-CASE-MFS-25215-1]	c 33	N83-31953
FM/CW radar system [NASA-CASE-MFS-22234-1]	c 32	N79-10264	Redundant motor drive system [NASA-CASE-MFS-23777-1]	c 37	N80-32716	Triac failure detector [NASA-CASE-MFS-25607-1]	c 33	N83-34190
Method of obtaining intensified image from developed photographic films and plates [NASA-CASE-MFS-23461-1]	c 35	N79-10389	Three phase power factor controller [NASA-CASE-MFS-25535-1]	c 33	N81-12330	Adaptive control system for line-commutated inverters [NASA-CASE-MFS-25209-1]	c 33	N83-35227
Computerized system for translating a torch head [NASA-CASE-MFS-23620-1]	c 37	N79-10421	Method and apparatus for shaping and enhancing acoustical levitation forces [NASA-CASE-MFS-25050-1]	c 71	N81-15767	Apparatus and method for heating a material in a transparent ampoule [NASA-CASE-MFS-25436-1]	c 27	N83-36220
Rotatable mass for a flywheel [NASA-CASE-MFS-23051-1]	c 37	N79-10422	Microwave integrated circuit for Josephson voltage standards [NASA-CASE-MFS-23845-1]	c 33	N81-17348	Resilient seal ring assembly with spring means applying force to wedge member [NASA-CASE-MFS-25678-1]	c 37	N84-11497
Water system virus detection [NASA-CASE-MSC-16098-1]	c 51	N79-10693	Process for preparation of large-particle-size monodisperse latexes [NASA-CASE-MFS-25000-1]	c 25	N81-19242	Prosthetic occlusive device for an internal passageway [NASA-CASE-MFS-25740-1]	c 52	N84-11744
Anastigmatic three-mirror telescope [NASA-CASE-MFS-23675-1]	c 89	N79-10969	Containerless high temperature calorimeter apparatus [NASA-CASE-MFS-23923-1]	c 35	N81-19426	Constant output atomizer [NASA-CASE-MFS-25631-1]	c 34	N84-12406
Apparatus for assembling space structure [NASA-CASE-MFS-23579-1]	c 18	N79-11108	Electrical power generating system [NASA-CASE-MFS-24368-3]	c 33	N81-22280	Heat sealable, flame and abrasion resistant coated fabric [NASA-CASE-MSC-18382-2]	c 27	N84-14324
Spherical bearing [NASA-CASE-MFS-23447-1]	c 37	N79-11404	Solar tracking system [NASA-CASE-MFS-23999-1]	c 44	N81-24520	Electrical self-aligning connector [NASA-CASE-MFS-25211-2]	c 33	N84-14423
Method for making an aluminum or copper substrate panel for selective absorption of solar energy [NASA-CASE-MFS-23518-1]	c 44	N79-11469	Prosthetic urinary sphincter [NASA-CASE-MFS-23717-1]	c 52	N81-25660	Control system for an induction motor with energy recovery [NASA-CASE-MFS-25477-1]	c 33	N84-14424
System for the measurement of ultra-low stray light levels [NASA-CASE-MFS-23513-1]	c 74	N79-11865	Pneumatic inflatable end effector [NASA-CASE-MFS-23696-1]	c 54	N81-26718	A dc to dc converter [NASA-CASE-MFS-25430-1]	c 33	N84-16453
Simulator method and apparatus for practicing the mating of an observer-controlled object with a target [NASA-CASE-MFS-23052-2]	c 74	N79-13855	Power factor control system for ac induction motors [NASA-CASE-MFS-23988-1]	c 33	N81-27395	Pulsed thyristor trigger control circuit [NASA-CASE-MFS-25616-1]	c 33	N84-16455
Multilevel metallization method for fabricating a metal oxide semiconductor device [NASA-CASE-MFS-23541-1]	c 76	N79-14906	Method of manufacture of bonded fiber flywheel [NASA-CASE-MFS-23674-1]	c 24	N81-29163	Clamp-mount device [NASA-CASE-MFS-25510-1]	c 37	N84-16560
Direct current transformer [NASA-CASE-MFS-23659-1]	c 33	N79-17133	Biocentrifuge system capable of exchanging specimen cages while in operational mode [NASA-CASE-MFS-23825-1]	c 51	N81-32829	Space probe/satellite ejection apparatus for spacecraft [NASA-CASE-MFS-15429-1]	c 18	N84-22609
Method of making a rocket nozzle [NASA-CASE-MFS-06884-1]	c 20	N79-21123	Motor power factor controller with a reduced voltage starter [NASA-CASE-MFS-25586-1]	c 33	N82-11360	Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber [NASA-CASE-MFS-256704-1]	c 33	N84-22884
Fluid thrust control system [NASA-CASE-MFS-05964-1]	c 20	N79-21124	Method for retarding dye fading during archival storage of developed color photographic film [NASA-CASE-MFS-23250-1]	c 35	N82-11432	Three phase power factor controller [NASA-CASE-MFS-25535-2]	c 33	N84-22885
Rocket injector head [NASA-CASE-MFS-04592-1]	c 20	N79-21125	Liquid immersion apparatus for minute articles [NASA-CASE-MFS-25363-1]	c 37	N82-12441	Motor power control circuit for ac induction motors [NASA-CASE-MFS-25323-1]	c 33	N84-22886
Infusible silazane polymer and process for producing same [NASA-CASE-MFS-02526-1]	c 27	N79-21190	Controlled overspray spray nozzle [NASA-CASE-MFS-25139-1]	c 34	N82-13376	Two-dimensional scanner apparatus [NASA-CASE-MFS-25687-1]	c 35	N84-22928
Fluorine-containing polyformals [NASA-CASE-MFS-06900-1]	c 27	N79-21191	Multi-channel temperature measurement amplification system [NASA-CASE-MFS-23775-1]	c 44	N82-16474	Method of and apparatus for double-exposure holographic interferometry [NASA-CASE-MFS-25405-1]	c 35	N84-22929
Method and apparatus for preparing multiconductor cable with flat conductors [NASA-CASE-MFS-10946-1]	c 31	N79-21226	Solar energy control system [NASA-CASE-MFS-25287-1]	c 44	N82-18686	Diffuser/ejector system for a very high vacuum environment [NASA-CASE-MFS-25791-1]	c 09	N84-27749
Edge coating of flat wires [NASA-CASE-MFS-05757-1]	c 31	N79-21227	Method of bonding plasticized elastomer to metal and articles produced thereby [NASA-CASE-MFS-25181-1]	c 27	N82-24340	Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank [NASA-CASE-MFS-25853-1]	c 16	N84-27784
Stable superconducting magnet [NASA-CASE-MFS-05373-1]	c 33	N79-21264	Magnetic field control [NASA-CASE-MFS-23830-1]	c 44	N82-24639			
Retractable environmental seal [NASA-CASE-MFS-23646-1]	c 37	N79-22474	Exothermic furnace module [NASA-CASE-MFS-25707-1]	c 35	N82-26569			
Horizontally mounted solar collector [NASA-CASE-MFS-23349-1]	c 44	N79-23481						

Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787

Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975

Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 35 N84-28018

Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568

Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575

Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N84-32398

Coupling an induction motor type generator to ac power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660

Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661

Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768

Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807

Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFG-25989-1] c 20 N85-20008

Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126

Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299

Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300

Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1SB] c 52 N85-20639

Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280

Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769

Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877

Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N85-28951

Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-1] c 37 N85-29289

Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991

Laser Schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N85-30932

Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701

Variable length strut with longitudinal compliance and locking capability
[NASA-CASE-MFS-25907-1] c 37 N85-34401

Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413

Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581

Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N86-19603

Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 74 N86-20124

X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 74 N86-20126

Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469

Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647

Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670

High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750

Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788

Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 37 N86-20789

Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841

Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348

Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718

Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850

Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1SB] c 54 N86-22114

Multispectral glancing incidence X-ray telescope
[NASA-CASE-MFS-28013-1] c 89 N86-22459

Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N86-23750

Apparatus and furnace for containerless processing of high temperature materials in space
[NASA-CASE-MFS-28087-1] c 35 N86-23899

Shuttle-launch triangular space station
[NASA-CASE-MFS-28076-1] c 18 N86-24729

Fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N86-25752

Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352

Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N86-26368

Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N86-26595

Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598

Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055

Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N86-32698

Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736

Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N86-32738

Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N86-32770

Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355

Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420

Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670

High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971

Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N87-15004

Self-clamping arc light reflector for welding torch
[NASA-CASE-MFS-29207-1] c 74 N87-15786

Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037

Welding torch with arc light reflector
[NASA-CASE-MFS-29134-1] c 74 N87-17493

Moving wall, continuous flow electrophoresis apparatus
[NASA-CASE-MFS-28142-1] c 25 N87-18627

Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679

Orbital maneuvering end effectors
[NASA-CASE-MFS-28161-1] c 37 N87-18817

Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N87-19116

National Aeronautics and Space Administration.
National Space Technology Labs., Bay Saint Louis, Miss.

Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654

National Aeronautics and Space Administration.
Pasadena Office, Calif.

Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206

Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710

Radiation and particle detector and amplifier
[NASA-CASE-NPO-12128-1] c 14 N73-32317

Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749

Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090

Temperature compensated digital inertial sensor
[NASA-CASE-NPO-13044-1] c 35 N74-15094

Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127

Short range laser obstacle detector
[NASA-CASE-NPO-11856-1] c 36 N74-15145

System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927

Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928

Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552

Storage battery comprising negative plates of a wedge shaped configuration
[NASA-CASE-NPO-11806-1] c 44 N74-19693

Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788

Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009

Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811

Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060

Flow control valve
[NASA-CASE-NPO-11951-1] c 37 N74-21065

Thin film gauge
[NASA-CASE-NPO-10617-1] c 35 N74-22095

High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814

Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040

Scanning nozzle plating system
[NASA-CASE-NPO-11758-1] c 31 N74-23065

Rock sampling
[NASA-CASE-XNP-10007-1] c 46 N74-23068

Rock sampling
[NASA-CASE-XNP-09755] c 46 N74-23069

Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625

Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767

Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425

Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523

Digital servo control of random sound test excitation
[NASA-CASE-NPO-11623-1] c 71 N74-31148

Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712

Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918

Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

Geneva mechanism
[NASA-CASE-NPO-13281-1] c 37 N75-13266

Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050

Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270

Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854

Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573

System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519

Motor run-up system
[NASA-CASE-NPO-13374-1] c 33 N75-19524

Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652

Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684

Wide angle sun sensor
[NASA-CASE-NPO-13327-1] c 35 N75-23910

Material suspension within an acoustically excited resonant chamber
[NASA-CASE-NPO-13263-1] c 12 N75-24774

Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837

System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982

Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122

Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123

Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194

Asynchronous, multiplexing, single line transmission and recovery data system
[NASA-CASE-NPO-13321-1] c 32 N75-26195

Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

Very high intensity light source using a cathode ray tube
[NASA-CASE-XNP-01296] c 33 N75-27250

C-40

Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391

Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395

Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410

High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-1] c 27 N78-19302

Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391

Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256

Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319

Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391

Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402

Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515

RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594

Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913

Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421

Nitramine propellants
[NASA-CASE-NPO-14103-1] c 28 N78-31255

Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321

Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525

Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526

Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179

Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228

Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526

Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913

Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163

Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262

Surface roughness measuring system
[NASA-CASE-NPO-13862-1] c 35 N79-10391

Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420

Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513

Combustor
[NASA-CASE-NPO-13958-1] c 25 N79-11151

Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231

Space-charge-limited solid-state triode
[NASA-CASE-NPO-13064-1] c 33 N79-11314

Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470

Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471

Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920

Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541

Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694

Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214

Stabilization of He(2s 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826

High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213

Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267

Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268

Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348

High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383

Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526

Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529

Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749

Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751

Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246

Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678

Multispectral imaging and analysis system
[NASA-CASE-NPO-13691-1] c 43 N79-17288

Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314

Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443

Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195

Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335

Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827

System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856

Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-NPO-02899-1] c 33 N79-21265

Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

Underwater seismic source
[NASA-CASE-NPO-14255-1] c 46 N79-23555

Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798

Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210

Module failure isolation circuit for paralleled inverters
[NASA-CASE-NPO-14000-1] c 33 N79-24254

Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257

Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431

Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432

Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433

Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652

Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482

Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836

Chemical vapor deposition reactor
[NASA-CASE-NPO-13850-1] c 25 N79-28253

High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342

Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527

Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752

Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753

Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011

Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374

Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494

System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507

Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709

Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229

Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332

Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-NXP-08835-1] c 37 N80-14395

Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579

System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603

Dialysis system
[NASA-CASE-NPO-14101-1] c 52 N80-14687

High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877

Strong thin membrane structure
[NASA-CASE-NPO-14021-2] c 27 N80-16163

Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261

Apparatus for endoscopic examination
[NASA-CASE-NPO-14092-1] c 52 N80-16725

Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231

High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252

Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253

High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285

Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287

Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357

Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364

Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372

Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551

Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334

Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563

Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808

Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471

Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559

Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654

Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510

Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741

- Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
- Cooled echelle grating spectrometer
[NASA-CASE-NPO-14372-1] c 35 N80-26635
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
- System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13737-1] c 27 N80-32514
- Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
- System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
- Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Frequency translating phase conjugation circuit for active retrodirective antenna array
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Precise RF timing signal distribution to remote stations
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- Speed control device for a heavy duty shaft
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- Molten salt pyrolysis of latex
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
- System for forming a quadified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
- Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896
- X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
- Controller for computer control of brushless dc motors
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- Polymeric compositions and their method of manufacture
[NASA-CASE-NPO-10424-1] c 27 N81-24258
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- Stark effect spectrophone for continuous absorption spectra monitoring
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- Medical diagnosis system and method with multispectral imaging
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
- Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
- Coal desulfurization
[NASA-CASE-NPO-14272-1] c 25 N81-33246
- Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Head for high speed spinner having a vacuum chuck
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- Microwave limb sounder
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Method for shaping and aiming narrow beams
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- Suspension system for a wheel rolling on a flat track
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282
- Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
- Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- High power metallic halide laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371
- Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- Hyperthermia heating apparatus
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
- Enhancement of in vitro guanylate propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- Stabilized lanthanum sulphur compounds
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- Method and device for detection of a substance
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342

- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N83-36484
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
- Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- Radiative cooler
[NASA-CASE-NPO-15465-1] c 34 N84-22903
- Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
- Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
- Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
- Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016
- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-163371-1] c 33 N85-20251
- Low stress semiconductor-insulator interface for cryogenic device applications
[NASA-CASE-NPO-16394-1] c 76 N85-20906
- Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
- Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
- State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
- Carbon granule probe microphone for leak detection
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N85-22178
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- Tone calibrated digital radio communication system
[NASA-CASE-NPO-16414-1-CU] c 32 N85-29121
- Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
- Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
- Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
- Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
- Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
- Method for growing low defect, high purity crystalline layers
[NASA-CASE-NPO-15813-2] c 76 N85-30933
- Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N85-30934
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-2] c 35 N85-34373
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
- Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 33 N86-19516
- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604
- Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711
- Single mode levitation and translation
[NASA-CASE-NPO-16675-1-CU] c 71 N86-20087
- Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N86-20129
- Ferroresonant regulated power supply
[NASA-CASE-NPO-15977-1-CU] c 33 N86-20673
- Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681
- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752
- A water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N86-20755
- Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N86-20777
- Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N86-20778
- Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N86-20779
- Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N86-20780
- Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801
- Method of producing high T superconducting NbN films
[NASA-CASE-NPO-16681-1-CU] c 76 N86-21401
- Programmable pipelined image processor
[NASA-CASE-NPO-16461-1-CU] c 60 N86-23283
- Neighborhood comparison operator
[NASA-CASE-NPO-16464-1-CU] c 60 N86-24224
- Convolver
[NASA-CASE-NPO-16462-1-CU] c 60 N86-24225
- Floating emitter solar cell junction transistor
[NASA-CASE-NPO-16467-1-CU] c 33 N86-24908
- Method of measuring field funneling and range straggling in semiconductor charge-collecting junctions
[NASA-CASE-NPO-16584-1-CU] c 76 N86-25269
- Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428
- Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 35 N86-25753
- High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1-CU] c 04 N86-27270

- Oxygen chemisorption cryogenic refrigerator
[NASA-CASE-NPO-16734-1-CU] c 31 N86-27467
Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760
Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551
Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1CU] c 35 N86-32695
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138
Cross-contact chain
[NASA-CASE-NPO-16784-1] c 33 N87-10231
FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N87-13313
Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594
Active hold-down for heat treating
[NASA-CASE-NPO-16892-1-CU] c 37 N87-14704
Passively activated prehensile digit for a robotic end effector
[NASA-CASE-NPO-16766-1-CU] c 37 N87-14705
High intensity casting system
[NASA-CASE-NPO-16901-1-CU] c 31 N87-15327
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413
Coaxial cable connector
[NASA-CASE-NPO-16964-1CU] c 33 N87-15414
Method for growing low defect, high purity crystalline layers utilizing lateral overgrowth of a patterned mask
[NASA-CASE-NPO-15813-2] c 76 N87-15882
Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1CU] c 76 N87-15883
Tank tread assemblies with track-linking mechanism
[NASA-CASE-NPO-16321-1CU] c 37 N87-17034
High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399
Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1-CU] c 25 N87-18625
Trellis coded modulation for transmission over fading mobile-satellite channel
[NASA-CASE-NPO-16904-1-CU] c 32 N87-18691
Local area network with fault-checking, priorities and redundant backup
[NASA-CASE-NPO-16949-1-CU] c 62 N87-19021
Remotely controllable real-time optical processor
[NASA-CASE-NPO-16750-1-CU] c 74 N87-19064
- National Aeronautics and Space Administration.**
Wallops Flight Center, Wallops Island, Va.
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Thin film strain transducer
[NASA-CASE-WLP-10055-2] c 35 N85-21598
- National Aeronautics and Space Administration.**
Western Operations Office, Santa Monica, Calif.
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042
- National Bureau of Standards, Boulder, Colo.**
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
- National Oceanic and Atmospheric Administration, Boulder, Colo.**
Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- National Research Corp., Cambridge, Mass.**
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
Rock sampling
[NASA-CASE-XNP-10007-1] c 46 N74-23068
Rock sampling
[NASA-CASE-XNP-09755] c 46 N74-23069
- National Science Foundation, Washington, D.C.**
Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Nevada Univ. System, Reno.**
Constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- New England Medical Center Hospitals, Boston, Mass.**
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
- North American Aviation, Inc., Canoga Park, Calif.**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173
- North American Aviation, Inc., Downey, Calif.**
Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- North American Aviation, Inc., El Segundo, Calif.**
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346
Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
Method and device for cooling Patent
[NASA-CASE-HQN-00038] c 33 N71-29050
- North American Aviation, Inc., Los Angeles, Calif.**
Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- North American Aviation, Inc., Torrance, Calif.**
Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- North American Aviation, Inc., Woodland Hills, Calif.**
Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469
- North American Philips Co., Inc., Briarcliff Manor, N. Y.**
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337
- North American Rockwell Corp., Canoga Park, Calif.**
Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- North American Rockwell Corp., Downey, Calif.**
Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
- Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488
Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- North American Rockwell Corp., El Segundo, Calif.**
Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
- North American Rockwell Corp., Los Angeles, Calif.**
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- North Carolina State Univ., Raleigh.**
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- Northeastern Univ., Boston, Mass.**
Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390
- Northrop Corp., Hawthorne, Calif.**
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- Northrop Electronics, Palos Verdes Peninsula, Calif.**
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
- Northrop Space Labs., Hawthorne, Calif.**
Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- Nortronics, Palos Verdes Peninsula, Calif.**
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
- Notre Dame Univ., Ind.**
Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
- Oakland Univ., Rochester, Mich.**
Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584
Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297
- Occidental Research Corp., La Verne, Calif.**
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Ohio State Univ., Columbus.**
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

Old Dominion Univ., Norfolk, Va.

- Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232
- Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
- High-temperature microphone system
[NASA-CASE-LAR-12375-1] c 32 N79-24203
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- Leading edge vortex flaps for drag reduction
[NASA-CASE-LAR-12750-1] c 02 N81-19016
- Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-2] c 08 N85-19985

Oregon Univ., Portland.

- Method for separating biological cells
[NASA-CASE-MFS-23883-1] c 51 N80-16715

Organon Diagnostics, El Monte, Calif.

- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693

P**Packard-Bell Electronics Corp., Newbury Park, Calif.**

- Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955

Panara Corp., Pennsauken, N. J.

- Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

PCR, Inc., Gainesville, Fla.

- Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016

Peninsular ChemResearch, Inc., Gainesville, Fla.

- Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
- Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
- Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144

- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151

- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076

Pennsylvania State Univ., University Park.

- Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carboranylchlorophosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- Carboranymethylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

Philco-Ford Corp., Houston, Tex.

- Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696

Philco-Ford Corp., Newport Beach, Calif.

- Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

Philco-Ford Corp., Palo Alto, Calif.

- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013

- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860

Phoenix Corp., McLean, Va.

- External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362

- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065

Pittsburgh Univ., Pa.

- Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235

Planning Research Corp., McLean, Va.

- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

Pratt and Whitney Aircraft, East Hartford, Conn.

- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062

- Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741

- Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022

Proton Associates, Inc., Waltham, Mass.

- Improved legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N85-20226

Q**Quantum Dynamics, Tarzana, Calif.**

- Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015

R**Radiation, Inc., Melbourne, Fla.**

- Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

Radiation Instrument Development Lab., Inc., Melrose Park, Ill.

- High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544

Radiation Systems, Inc., McLean, Va.

- Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483

Radio Corp. of America, Lancaster, Pa.

- Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

Radio Corp. of America, New York.

- Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266

- Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318

- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323

- Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

- GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064

- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039

- Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189

- Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739

- Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539

- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049

- Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658

- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027

- Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043

- Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184

- Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

- Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156

- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948

- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235

- Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469

- Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606

- Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861

- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331

- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244

- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389

- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331

- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244

- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389

- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331

- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244

- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389

- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331

- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244

- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389

- Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

Rockwell International Corp., Downey, Calif.**Raytheon Co., Sudbury, Mass.**

- Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212

- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

RCA Labs., Princeton, N. J.

- Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752

RCA Service Co., Inc., Camden, N. J.

- Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788

Rensselaer Polytechnic Inst., Troy, N.Y.

- Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

Research Triangle Inst., Durham, N. C.

- Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422

Rochester General Hospital, N. Y.

- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744

Rochester Univ., N. Y.

- Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003

Rockwell International Corp., Anaheim, Calif.

- Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

Rockwell International Corp., Canoga Park, Calif.

- Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500

- Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356

- Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631

- Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213

- Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442

- Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679

- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

- Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928

- Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410

- Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

- Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764

- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

- Internally supported flexible duct joint
[NASA-CASE-MFS-19193-1] c 37 N75-19686

- Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125

- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126

- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

- Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329

- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236

- Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382

- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460

- Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296

- Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399

- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380

- Stable superconducting magnet
[NASA-CASE-XMF-05373-1] c 33 N79-21264

- Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

- Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562

- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

- Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

- Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562

- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

- Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

- Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562

- Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482

Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499

Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383

Method of producing complex aluminum alloy parts of high temper. and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333

Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350

Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423

Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377

System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415

Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187

Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317

Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363

Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

Attachment system for silica tiles
[NASA-CASE-MSC-18741-1] c 27 N82-29456

Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520

Degassifying and mixing apparatus for liquids
[NASA-CASE-MSC-18936-1] c 35 N83-29652

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262

Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084

Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581

Rockwell International Corp., Houston, Tex.
Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

Rockwell International Corp., Los Angeles, Calif.
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398

Rockwell International Corp., Pittsburgh, Pa.
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

Fluid leak indicator
[NASA-CASE-MSC-20783-1] c 35 N86-20756

Roph Corp., Chula Vista, Calif.
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522

Royal Aircraft Establishment, Farnborough (England).
Garments for controlling the temperature of the body
Patent
[NASA-CASE-XMS-10269] c 05 N71-24147

Ryan Aeronautical Co., San Diego, Calif.
Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630

Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033

S

San Jose State Univ., Calif.
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338

Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213

Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744

Perfluoro (Imidoylamidine) diamidines
[NASA-CASE-ARC-11402-3] c 23 N86-21582

Sanders Associates, Inc., Nashua, N. H.
Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316

Sandia Labs., Albuquerque, N. Mex.
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456

Santa Barbara Research Center, Goleta, Calif.
Scanner
[NASA-CASE-GSC-12032-2] c 43 N82-13465

Santa Clara Univ., Calif.
Reversed cowl flap inlet thrust augmentor
[NASA-CASE-ARC-10754-1] c 07 N75-24736

System for measuring Reynolds in a turbulently flowing fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517

System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345

Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

Schjeldahl (G. T.) Co., Northfield, Minn.
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687

Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164

Science Applications, Inc., La Jolla, Calif.
Violet-violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446

Scott Aviation Corp., Lancaster, N. Y.
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900

Serv-Air, Inc., Edwards, Calif.
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

Serv-Air, Inc., Houston, Tex.
Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544

Sheldahl Co., Northfield, Minn.
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226

Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

Sikorsky Aircraft, Stratford, Conn.
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382

Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947

Singer Co., Binghamton, N.Y.
Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492

Singer-General Precision, Inc., Binghamton, N. Y.
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273

Smith Electronics, Inc., Cleveland, Ohio.
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272

Smith (Stephen F.), Knoxville, Tenn.
Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N86-20668

Smithsonian Astrophysical Observatory, Cambridge, Mass.
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489

Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313

Solid State Radiations, Inc., Los Angeles, Calif.
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440

Southern Methodist Univ., Dallas, Tex.
Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

Southern Research Inst., Birmingham, Ala.
Infusible silazane polymer and process for producing same
[NASA-CASE-XMF-02526-1] c 27 N79-21190

Southwest Research Inst., San Antonio, Tex.
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015

Thin film strain transducer
[NASA-CASE-WLP-10055-2] c 35 N85-21598

Space Sciences, Inc., Waltham, Mass.
Doppler shift system
[NASA-CASE-HQN-10740-1] c 72 N74-19310

Space Technology Labs., Inc., Redondo Beach, Calif.
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910

Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014

Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078

Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895

Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068

Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962

Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048

Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859

Spacelabs, Inc., Van Nuys, Calif.
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329

Spaco, Inc., Huntsville, Ala.
Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

Spectra-Physics, Inc., Mountain View, Calif.
Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428

Spectrolab, Inc., Sylmar, Calif.
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332

Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531

Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019

Sperry Corp., Phoenix, Ariz.
Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N85-20299

Sperry Gyroscope Co., Great Neck, N. Y.
Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330

Sperry Rand Corp., Blue Bell, Pa.
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547

Sperry Rand Corp., Huntsville, Ala.
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191

Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176

Device for configuring multiple leads
[NASA-CASE-MFS-22133-1] c 33 N74-26977

System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395

Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457

Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635

Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264

- Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
- Sperry Rand Corp., Phoenix, Ariz.**
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
- Stanford Research Inst., Menlo Park, Calif.**
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- Stanford Univ., Calif.**
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Fibrous refractory composite insulation
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598
- Stanford Univ., Palo Alto, Calif.**
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- State Univ. of Iowa, Iowa City.**
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- Sylvania Electronic Systems-Central, Williamsville, N. Y.**
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326

T

- Taag Designs, Inc., College Park, Md.**
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- Taft Broadcasting Corp., Houston, Tex.**
Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485
- Tamarack Scientific Co., Inc., Orange, Calif.**
Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551
- Technicolor, Inc., Paramus, N.J.**
Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
- Technidyne, Inc., West Chester, Pa.**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- Technion - Israel Inst. of Tech., Haifa.**
Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- Technion Research and Development Foundation Ltd., Haifa (Israel).**
Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- Technology, Inc., Houston, Tex.**
Apparatus and method for processing Korotkov sounds
[NASA-CASE-MSC-13999-1] c 52 N74-26626
- Technology, Inc., San Antonio, Tex.**
Contourgraph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225
Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096

- Teledyne Brown Engineering, Huntsville, Ala.**
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- Temple Univ. Research Inst., Philadelphia, Pa.**
Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- Texas A&M Univ., College Station.**
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- Texas Instruments, Inc., Dallas.**
Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- Texas Technological Univ., Lubbock.**
Insulated electrocardiographic electrodes
[NASA-CASE-MSC-14339-1] c 05 N75-24716
- Thiokol Chemical Corp., Bristol, Pa.**
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- Thiokol Corp., Brigham City, Utah.**
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- Thompson Ramo Wooldridge, Inc., Cleveland, Ohio.**
Electromagnetic radiation energy arrangement
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Tisdale (Henry F., Sr.), Treasure Island, Fla.**
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
- Trans-Sonics, Inc., Lexington, Mass.**
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- TransTechnology Corp., Canyon Country, Calif.**
Slide release mechanism
[NASA-CASE-MSC-20080-1] c 37 N85-30334
- Trident Engineering Associates, Inc., Annapolis, Md.**
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- TRW Defense and Space Systems Group, Redondo Beach, Calif.**
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- TRW Equipment Labs., Cleveland, Ohio.**
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
- TRW, Inc., Redondo Beach, Calif.**
Method of and device for determining the characteristics and flux distribution of micrometeorites
[NASA-CASE-NPO-12127-1] c 91 N74-13130
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031
Particle parameter analyzing system
[NASA-CASE-XLE-06094] c 33 N78-17293
Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
Microbalance
[NASA-CASE-MSC-11242] c 35 N78-17358
Gas ion laser construction for electrically isolating the pressure gauge throat
[NASA-CASE-MFS-22597] c 36 N78-17366
Wobble gear drive mechanism
[NASA-CASE-WOO-00625] c 37 N78-17385
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213

- TRW Systems, Redondo Beach, Calif.**
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
- TRW Systems Group, Redondo Beach, Calif.**
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Passive gaging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- Tyco Labs, Inc., Waltham, Mass.**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138

U

- Ultrasonics, Inc., Irvine, Calif.**
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- Unified Science Associates, Inc., Pasadena, Calif.**
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
- Union Carbide Corp., New York.**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- United Aircraft Corp., East Hartford, Conn.**
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680

- Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- Glass compositions with a high modulus of elasticity
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- United Aircraft Corp., Stratford, Conn.**
- Bonded joint and method
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- United Aircraft Corp., Sunnyvale, Calif.**
- Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
- United Aircraft Corp., West Palm Beach, Fla.**
- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- United Aircraft Corp., Windsor Locks, Conn.**
- Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
- Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
- United States Radium Corp., Parsippany, N. J.**
- Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- United Technologies Corp., East Hartford, Conn.**
- Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- Fluid thrust control system
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
- Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
- Portable breathing system
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- High modulus rare earth and beryllium containing silicate glass compositions
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- United Technologies Corp., South Windsor, Conn.**
- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403
- United Technologies Corp., Windsor Locks, Conn.**
- Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- United Technology Center, Sunnyvale, Calif.**
- Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
- University of Southern Mississippi, Hattiesburg.**
- Low energy electron magnetometer using a monoenergetic electron beam
[NASA-CASE-LAR-12706-1] c 35 N84-12444

V

- Vanderbilt Univ., Nashville, Tenn.**
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- Vapor Corp., Chicago, Ill.**
- Method and apparatus for controllably heating fluid
Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- Varian Associates, Palo Alto, Calif.**
- High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- Virginia Associated Research Center, Newport News.**
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- Virginia Commonwealth Univ., Richmond.**
- Polynamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N86-19462
- Virginia Polytechnic Inst. and State Univ., Blacksburg.**
- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

- Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups
[NASA-CASE-LAR-12838-1] c 27 N83-34040
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
- Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
- Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
- Virginia Univ., Charlottesville.**
- Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
- Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170
- Thin film microwave iris
[NASA-CASE-LAR-10511-1] c 09 N72-29172
- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- Vivonex Corp., Mountain View, Calif.**
- Amino acid analysis
[NASA-CASE-MSC-12130-1] c 25 N75-14844
- Vought Corp., Hampton, Va.**
- Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732

W

- Weber Aircraft Corp., Burbank, Calif.**
- Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343
- Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
- Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
- Westinghouse Electric Corp., Baltimore, Md.**
- Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- Westinghouse Electric Corp., Huntsville, Ala.**
- Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
- Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
- Westinghouse Electric Corp., Lima, Ohio.**
- Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
- Westinghouse Electric Corp., Pittsburgh, Pa.**
- Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
- Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
- Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
- Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
- Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031

- Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
- Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
- Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
- Westinghouse Electric Corp., Trafford, Pa.**
- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- Method of producing silicon
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- Weston Instruments, Inc., College Park, Md.**
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Whirlpool Corp., St. Joseph, Mich.**
- Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
- Whittaker Corp., Los Angeles, Calif.**
- Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
- Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- Whittaker Corp., San Diego, Calif.**
- Reinforced polyquinoxaline gasket and method of preparing the same
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Wisconsin Univ., Madison.**
- Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
- Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737

Y

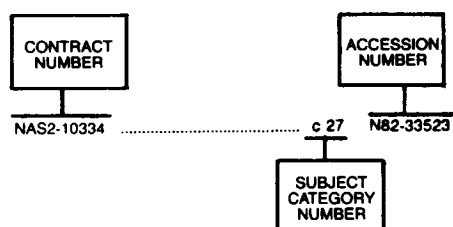
- Youngstown State Univ., Ohio.**
- Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

CONTRACT NUMBER INDEX

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

JULY 1987

Typical Contract Number Index Listing



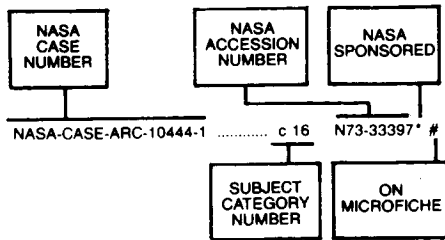
Listings in this index are arranged alpha-numerically by contract number. Under each contract number, the accession numbers denoting documents that have been produced as a result of research done under that contract are arranged in ascending accession number order. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located.

JPL-950596	c 15	N69-23185
JPL-950850	c 09	N69-24329
JPL-951531	c 09	N69-21926
NASA ORDER-L-79510B	c 25	N86-32541
NASA ORDER-L-83135B	c 25	N86-32541
NASA-ORDER L-79510-B	c 25	N86-32540
NASA-ORDER L-83135-B	c 25	N86-32540
NASW-1233	c 06	N72-10138
NASW-4004	c 24	N85-25436
NAS1-17099	c 25	N86-32541
NAS1-17686	c 09	N86-31594
NAS1-17993	c 25	N86-32540
NAS1-2593	c 11	N69-24321
NAS12-2135	c 09	N72-20206
NAS12-514	c 14	N71-34389
NAS2-10334	c 27	N82-33523
NAS3-2510	c 10	N69-39888
NAS3-3232	c 14	N69-24331
NAS4-1403	c 14	N70-35587
NAS5-10260	c 06	N72-21105
NAS5-519	c 23	N69-24332
NAS7-100	c 15	N69-23185
	c 15	N69-23190
	c 15	N69-24319
	c 09	N69-24329
	c 09	N69-24333
	c 06	N69-31244
	c 07	N69-39736
	c 18	N69-39895
	c 09	N69-39929
	c 15	N69-39935
	c 06	N69-39936
	c 14	N69-39937
	c 03	N70-34646
	c 08	N70-34675
	c 14	N70-34697
	c 15	N70-34699
	c 03	N71-34044
	c 07	N72-20154
	c 09	N73-12214
	c 15	N73-12495
	c 37	N76-16446
	c 35	N78-18395
	c 32	N79-19195
	c 27	N80-16163
	c 32	N80-16261
	c 35	N80-18364
	c 37	N82-11469
	c 35	N82-25484
	c 71	N82-27086
	c 33	N83-12334

	c 25	N83-24572
	c 37	N83-36484
	c 76	N84-12968
	c 43	N84-23012
	c 36	N84-25037
	c 76	N85-20906
	c 76	N85-22178
	c 76	N85-30922
	c 76	N85-30933
	c 33	N86-20681
	c 36	N86-20778
	c 37	N86-20801
NAS7-150	c 03	N69-21337
NAS7-603	c 06	N70-11251
	c 06	N70-11252
NAS7-746	c 06	N72-27151
NAS7-918	c 33	N85-20251
	c 32	N85-29121
	c 34	N85-29182
	c 76	N85-30934
	c 71	N86-20087
	c 74	N86-20129
	c 33	N86-20673
	c 36	N86-20777
	c 36	N86-20779
	c 36	N86-20780
	c 76	N86-21401
	c 60	N86-23283
	c 60	N86-24224
	c 60	N86-24225
	c 76	N86-25269
	c 74	N86-33138
	c 33	N87-10231
	c 37	N87-14704
	c 37	N87-14705
	c 31	N87-15327
	c 32	N87-15390
	c 33	N87-15413
	c 33	N87-15414
	c 76	N87-15883
	c 25	N87-18625
	c 32	N87-18691
	c 62	N87-19021
	c 74	N87-19064
NAS7-919	c 33	N86-24908
NAS8-11561	c 09	N69-39734
NAS8-27980	c 74	N87-15786
NAS8-34872	c 35	N86-26598
NAS9-10963	c 05	N72-15098

CONTRACT

Typical Number Index Listing



Listings in this index are arranged alpha-numerically by "patent" number. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

NAS 1.15:76884	c 24	N85-25436	#
NAS 1.71:LAR-12327-1	c 35	N86-24960	#
NAS 1.71:ARC-11349-1	c 37	N86-20797	#
NAS 1.71:ARC-11368-2	c 27	N85-21347	#
NAS 1.71:ARC-11423-1	c 03	N84-33394	#
NAS 1.71:ARC-11425-2	c 23	N86-20499	#
NAS 1.71:ARC-11510-1	c 35	N86-32697	#
NAS 1.71:ARC-11533-1	c 27	N85-21364	#
NAS 1.71:ARC-11536-1	c 33	N85-30202	#
NAS 1.71:ARC-11548-1	c 27	N86-21686	#
NAS 1.71:ARC-11611-1	c 74	N86-20128	#
NAS 1.71:ARC-11613-1	c 33	N85-29150	#
NAS 1.71:ARC-11620-1	c 37	N86-21859	#
NAS 1.71:ARC-11622-1	c 44	N86-21982	#
NAS 1.71:ARC-11633-1	c 08	N86-24700	#
NAS 1.71:ARC-11634-1	c 36	N86-24978	#
NAS 1.71:ARC-11636-1	c 05	N87-18561	#
NAS 1.71:ARC-11641-1	c 24	N87-14442	#
NAS 1.71:ARC-11643-1	SB c 23	N87-15275	#
NAS 1.71:ARC-11646-1	c 14	N87-15253	#
NAS 1.71:ARC-11649-1	SB c 27	N87-10205	#
NAS 1.71:GSC-12558-1	c 36	N85-21639	#
NAS 1.71:GSC-12582-2	c 37	N85-20337	#
NAS 1.71:GSC-12682-1	c 35	N84-33765	#
NAS 1.71:GSC-12789-1	c 35	N85-20294	#
NAS 1.71:GSC-12799-1	c 31	N85-21404	#
NAS 1.71:GSC-12808-1	c 25	N85-21279	#
NAS 1.71:GSC-12892-1	c 32	N85-20226	#
NAS 1.71:GSC-12944-1	c 52	N86-19885	#
NAS 1.71:GSC-12961-1	c 33	N86-20679	#
NAS 1.71:GSC-12970-1	c 08	N86-20396	#
NAS 1.71:GSC-13008-1	c 27	N86-32570	#
NAS 1.71:KSC-11218-1	c 09	N85-19990	#
NAS 1.71:KSC-11304-2	c 28	N86-23744	#
NAS 1.71:LAR-12588-1	c 34	N85-21568	#
NAS 1.71:LAR-12723-1	c 27	N85-20123	#
NAS 1.71:LAR-12775-2	c 27	N85-21349	#
NAS 1.71:LAR-12787-2	c 08	N85-19985	#
NAS 1.71:LAR-12858-2	c 27	N85-20124	#
NAS 1.71:LAR-12868-1	c 37	N85-21651	#
NAS 1.71:LAR-12871-1	c 35	N85-29218	#
NAS 1.71:LAR-12884	c 18	N84-33450	#
NAS 1.71:LAR-12894-1	c 27	N85-20125	#
NAS 1.71:LAR-12979-1	c 05	N85-21147	#
NAS 1.71:LAR-13014-1	c 09	N85-21178	#
NAS 1.71:LAR-13065-1	c 35	N85-20295	#
NAS 1.71:LAR-13100-1	c 37	N86-24993	#
NAS 1.71:LAR-13113-1	c 31	N86-24867	#
NAS 1.71:LAR-13150-1	c 24	N85-28975	#
NAS 1.71:LAR-13198-1	c 37	N85-29287	#
NAS 1.71:LAR-13202-1	c 33	N86-32626	#
NAS 1.71:LAR-13212-1	c 27	N87-10206	#
NAS 1.71:LAR-13215-1	c 02	N87-14282	#
NAS 1.71:LAR-13230-1	c 24	N84-34571	#
NAS 1.71:LAR-13233-1	c 05	N84-33400	#

NAS 1.71:LAR-13256-1	c 36	N86-29204 *	#
NAS 1.71:LAR-13257-1	c 25	N84-32447 *	#
NAS 1.71:LAR-13259-1	c 37	N86-20800 *	#
NAS 1.71:LAR-13268-1	c 35	N85-29216 *	#
NAS 1.71:LAR-13270-1	c 27	N84-32532 *	#
NAS 1.71:LAR-13286-1	c 02	N85-28922 *	#
NAS 1.71:LAR-13292-1	c 27	N86-24841 *	#
NAS 1.71:LAR-13300-CU	c 35	N86-32700 *	#
NAS 1.71:LAR-13306-1	c 82	N86-25292 *	#
NAS 1.71:LAR-13310-1	c 32	N85-21441 *	#
NAS 1.71:LAR-13354-1	c 27	N86-20566 *	#
NAS 1.71:LAR-13391-1	c 74	N86-33137 *	#
NAS 1.71:LAR-13393-1	c 54	N86-21147 *	#
NAS 1.71:LAR-13403-1	c 03	N86-24673 *	#
NAS 1.71:LAR-13407-1	c 33	N86-24909 *	#
NAS 1.71:LAR-13411-1	c 18	N87-12529 *	#
NAS 1.71:LAR-13435-1	c 37	N87-15464 *	#
NAS 1.71:LAR-13444-1-CU	c 27	N86-19462 *	#
NAS 1.71:LAR-13447-1	c 27	N86-26435 *	#
NAS 1.71:LAR-13448-1	c 27	N86-24840 *	#
NAS 1.71:LAR-13450-1	c 27	N86-25478 *	#
NAS 1.71:LAR-13452-1	c 27	N86-25477 *	#
NAS 1.71:LAR-13470-1	c 03	N86-26296 *	#
NAS 1.71:LAR-13474-1-SB	c 26	N86-24814 *	#
NAS 1.71:LAR-13476-1-CU	c 76	N87-19115 *	#
NAS 1.71:LAR-13489-1	c 18	N86-31630 *	#
NAS 1.71:LAR-13490-1	c 18	N87-14413 *	#
NAS 1.71:LAR-13512-1	c 35	N87-14675 *	#
NAS 1.71:LAR-13522-1	c 09	N86-31594 *	#
NAS 1.71:LAR-13528-1	c 25	N87-18626 *	#
NAS 1.71:LAR-13532-1	c 34	N86-26575 *	#
NAS 1.71:LAR-13540-1	c 25	N86-32541 *	#
NAS 1.71:LAR-13542	c 25	N86-32540 *	#
NAS 1.71:LAR-13552-1-CU	c 33	N87-18761 *	#
NAS 1.71:LAR-13553-1	c 34	N87-18778 *	#
NAS 1.71:LAR-13554-1	c 02	N87-18535 *	#
NAS 1.71:LAR-13555-1	c 23	N86-32526 *	#
NAS 1.71:LAR-13560-1	c 35	N86-32701 *	#
NAS 1.71:LAR-13562-1	c 24	N87-18613 *	#
NAS 1.71:LAR-13066-1	c 27	N86-20564 *	#
NAS 1.71:LEW-12995-1	c 37	N84-33606 *	#
NAS 1.71:LEW-13324-2	c 24	N85-21266 *	#
NAS 1.71:LEW-13414-1	c 44	N85-20530 *	#
NAS 1.71:LEW-13495-1	c 33	N84-33663 *	#
NAS 1.71:LEW-13524-1	c 07	N84-33410 *	#
NAS 1.71:LEW-13639-1	c 26	N84-33555 *	#
NAS 1.71:LEW-13770-3	c 27	N85-21350 *	#
NAS 1.71:LEW-13770-4	c 27	N85-21351 *	#
NAS 1.71:LEW-13770-5	c 27	N85-21352 *	#
NAS 1.71:LEW-13827-1	c 44	N85-21768 *	#
NAS 1.71:LEW-13833-1	c 33	N85-21492 *	#
NAS 1.71:LEW-13837-2	c 24	N85-21267 *	#
NAS 1.71:LEW-13881-1	c 20	N85-21256 *	#
NAS 1.71:LEW-14072-3	c 27	N86-26434 *	#
NAS 1.71:LEW-14080-1	c 31	N85-20153 *	#
NAS 1.71:LEW-14104-2	c 26	N86-32556 *	#
NAS 1.71:LEW-14108-1	c 33	N85-29149 *	#
NAS 1.71:LEW-14127-1	c 33	N86-20680 *	#
NAS 1.71:LEW-14134-1	c 26	N87-10192 *	#
NAS 1.71:LEW-14196-1	c 24	N87-10179 *	#
NAS 1.71:LEW-14212-1	c 37	N86-32740 *	#
NAS 1.71:LEW-14261-1	c 26	N86-26414 *	#
NAS 1.71:LEW-14297-1	c 35	N87-15452 *	#
NAS 1.71:LEW-14338-1	c 20	N87-10174 *	#
NAS 1.71:LEW-14345-1	c 23	N87-14432 *	#
NAS 1.71:LEW-14392-1	c 27	N87-14517 *	#
NAS 1.71:MFG-25989-1	c 20	N85-20008 *	#
NAS 1.71:MFS-25302-2	c 33	N84-33660 *	#
NAS 1.71:MFS-25637-1	c 44	N85-21769 *	#
NAS 1.71:MFS-25717-1	c 35	N84-33768 *	#
NAS 1.71:MFS-25721-1	c 25	N85-21280 *	#
NAS 1.71:MFS-25852-1	c 33	N84-33661 *	#
NAS 1.71:MFS-25861-1	c 33	N85-22877 *	#
NAS 1.71:MFS-25862-1	c 27	N85-20126 *	#
NAS 1.71:MFS-25862-2	c 37	N84-33807 *	#
NAS 1.71:MFS-25962-1	c 09	N84-32398 *	#
NAS 1.71:MFS-25981-1	c 35	N85-20299 *	#
NAS 1.71:MFS-26002-1-CU	c 35	N86-26598 *	#
NAS 1.71:MFS-26009-1SB	c 54	N86-22114 *	#
NAS 1.71:MFS-28001-1	c 37	N85-29289 *	#
NAS 1.71:MFS-28008-1	c 35	N85-20300 *	#
NAS 1.71:MFS-28013-1	c 89	N86-22459 *	#
NAS 1.71:MFS-28044-1	c 31	N86-23750 *	#

NAS 1.71:MFS-28057-1	c 09	N85-28951 *	#
NAS 1.71:MFS-28060-1	c 76	N85-30932 *	#
NAS 1.71:MFS-28087-1	c 35	N86-23899 *	#
NAS 1.71:MFS-28118-1	c 39	N86-32770 *	#
NAS 1.71:MFS-28137-1	c 76	N87-19116 *	#
NAS 1.71:MFS-28139-1	c 29	N87-18679 *	#
NAS 1.71:MFS-28142-1	c 25	N87-18627 *	#
NAS 1.71:MFS-28144-1	c 76	N87-15004 *	#
NAS 1.71:MFS-28153-1	c 31	N86-32589 *	#
NAS 1.71:MFS-28161-1	c 37	N87-18817 *	#
NAS 1.71:MFS-29207-1	c 74	N87-15786 *	#
NAS 1.71:MSC-18578-1	c 32	N85-21427 *	#
NAS 1.71:MSC-20112-1	c 37	N85-20338 *	#
NAS 1.71:MSC-20187-1	c 33	N85-20249 *	#
NAS 1.71:MSC-20275-1	c 35	N85-21595 *	#
NAS 1.71:MSC-20319-1	c 37	N85-21649 *	#
NAS 1.71:MSC-20467-1	c 35	N87-14676 *	#
NAS 1.71:MSC-20549-1	c 37	N86-19612 *	#
NAS 1.71:MSC-20761-1	c 37	N87-15465 *	#
NAS 1.71:MSC-20783-1	c 35	N86-20756 *	#
NAS 1.71:MSC-20797-1	c 37	N86-20806 *	#
NAS 1.71:MSC-20821-1	c 17	N86-20466 *	#
NAS 1.71:MSC-20840-1	c 34	N87-18779 *	#
NAS 1.71:MSC-20841-1	c 34	N86-20721 *	#
NAS 1.71:MSC-20865-1	c 32	N87-18692 *	#
NAS 1.71:MSC-20870-1	c 36	N86-24977 *	#
NAS 1.71:MSC-20906-1	c 18	N86-19344 *	#
NAS 1.71:MSC-20907-1	c 37	N87-18818 *	#
NAS 1.71:MSC-20910-1	c 37	N86-19613 *	#
NAS 1.71:MSC-20912-1	c 32	N86-24879 *	#
NAS 1.71:MSC-20921-1	c 18	N86-20471 *	#
NAS 1.71:MSC-20946-1	c 34	N86-32661 *	#
NAS 1.71:MSC-20964-1	c 60	N87-14863 *	#
NAS 1.71:MSC-20979-1	c 37	N86-19614 *	#
NAS 1.71:MSC-20985-1	c 18	N87-15260 *	#
NAS 1.71:MSC-21056-1	c 18	N87-18595 *	#
NAS 1.71:MSC-21061-1	c 44	N87-18921 *	#
NAS 1.71:MSC-21096-1	c 18	N87-18596 *	#
NAS 1.71:MSC-21117-1	c 18	N87-18597 *	#
NAS 1.71:NPO-13556-1	c 35	N84-33766 *	#
NAS 1.71:NPO-15155-1	c 74	N85-22139 *	#
NAS 1.71:NPO-15295-1	c 60	N85-21992 *	#
NAS 1.71:NPO-15341-1	c 35	N84-33769 *	#
NAS 1.71:NPO-15430-1	c 46	N85-21846 *	#
NAS 1.71:NPO-15433-1	c 32	N85-21428 *	#
NAS 1.71:NPO-15466-1	c 71	N85-22104 *	#
NAS 1.71:NPO-15483-1	c 37	N85-21650 *	#
NAS 1.71:NPO-15493-2	c 35	N85-34373 *	#
NAS 1.71:NPO-15494-2	c 35	N85-34373 *	#
NAS 1.71:NPO-15519-1	c 32	N84-34651 *	#
NAS 1.71:NPO-15558-1	c 35	N84-34705 *	#
NAS 1.71:NPO-15560-1	c 33	N85-21491 *	#
NAS 1.71:NPO-15644-1	c 35	N84-33767 *	#
NAS 1.71:NPO-15651-1	c 43	N85-21723 *	#
NAS 1.71:NPO-15753-1	c 27	N84-33589 *	#
NAS 1.71:NPO-15759-1	c 35	N85-21596 *	#
NAS 1.71:NPO-15790-1	c 36	N85-21631 *	#
NAS 1.71:NPO-15800-2	c 76	N85-22178 *	#
NAS 1.71:NPO-15801-1	c 74	N85-23396 *	#
NAS 1.71:NPO-15808-1	c 44	N84-34792 *	#
NAS 1.71:NPO-15812-1	c 76	N85-30933 *	#
NAS 1.71:NPO-15851-1	c 37	N85-21652 *	#
NAS 1.71:NPO-15920-1	c 33	N85-21493 *	#
NAS 1.71:NPO-15977-1-CU	c 33	N86-20673 *	#
NAS 1.71:NPO-16022-1	c 71	N85-22105 *	#
NAS 1.71:NPO-16027-1	c 35	N85-21597 *	#
NAS 1.71:NPO-16233-1	c 37	N86-20801 *	#
NAS 1.71:NPO-16306-1-CU	c 76	N85-30934 *	#
NAS 1.71:NPO-163371-1	c 33	N85-20251 *	#
NAS 1.71:NPO-16394-1	c 76	N85-20906 *	#
NAS 1.71:NPO-16414-1-CU	c 32	N85-29121 *	#
NAS 1.71:NPO-16420-1	c 33	N86-20681 *	#
NAS 1.71:NPO-16433-1	c 36	N86-20778 *	#
NAS 1.71:NPO-16461-1CU	c 60	N86-23283 *	#
NAS 1.71:NPO-16462-1CU	c 60	N86-24225 *	#
NAS 1.71:NPO-16464-1CU	c 60	N86-24224 *	#
NAS 1.71:NPO-16467-1-CU	c 33	N86-24908 *	#
NAS 1.71:NPO-16494-1-CU	c 34	N85-29182 *	#
NAS 1.71:NPO-16497-1-CU	c 36	N86-20779 *	#
NAS 1.71:NPO-16542-1CU	c 36	N86-20780 *	#
NAS 1.71:NPO-16544-1-CU	c 35	N86-20755 *	#
NAS 1.71:NPO-16558-1-CU	c 74	N86-20129 *	#
NAS 1.71:NPO-16567-1-CU	c 36	N86-20277 *	#

NAS 1.71:NPO-16584-1-CU	c 76	N86-25269 *	NASA-CASE-ARC-10469-1	c 25	N75-12086 *	NASA-CASE-ARC-11100-1	c 54	N78-31736 *
NAS 1.71:NPO-16607-1	c 76	N87-15883 *	NASA-CASE-ARC-10470-1	c 02	N73-26005 *	NASA-CASE-ARC-11101-1	c 54	N78-17675 *
NAS 1.71:NPO-16632-1-CU	c 32	N87-15390 *	NASA-CASE-ARC-10470-3	c 05	N76-29217 *	NASA-CASE-ARC-11104-1	c 15	N79-26100 *
NAS 1.71:NPO-16675-1-CU	c 71	N86-20087 *	NASA-CASE-ARC-10516-1	c 70	N74-21300 *	NASA-CASE-ARC-11106-1	c 05	N80-14107 *
NAS 1.71:NPO-16681-1-CU	c 76	N86-21401 *	NASA-CASE-ARC-10519-2	c 05	N75-25915 *	NASA-CASE-ARC-11107-1	c 25	N80-16116 *
NAS 1.71:NPO-16734-1-CU	c 31	N86-27467 *	NASA-CASE-ARC-10583-1	c 52	N76-29894 *	NASA-CASE-ARC-11110-1	c 37	N82-24492 *
NAS 1.71:NPO-16750-1-CU	c 74	N87-19064 *	NASA-CASE-ARC-10592-1	c 27	N74-21156 *	NASA-CASE-ARC-11114-1	c 51	N81-14605 *
NAS 1.71:NPO-16764-1	c 33	N87-15414 *	NASA-CASE-ARC-10592-2	c 27	N76-32315 *	NASA-CASE-ARC-11116-1	c 33	N82-24420 *
NAS 1.71:NPO-16766-1-CU	c 37	N87-14705 *	NASA-CASE-ARC-10593-1	c 33	N74-27682 *	NASA-CASE-ARC-11117-1	c 52	N81-14612 *
NAS 1.71:NPO-16784-1	c 33	N87-10231 *	NASA-CASE-ARC-10596-1	c 33	N74-21851 *	NASA-CASE-ARC-11118-1	c 52	N81-29764 *
NAS 1.71:NPO-16869	c 74	N86-33138 *	NASA-CASE-ARC-10597-1	c 52	N74-20726 *	NASA-CASE-ARC-11118-2	c 52	N81-14613 *
NAS 1.71:NPO-16892-1-CU	c 37	N87-14704 *	NASA-CASE-ARC-10598-1	c 75	N74-30156 *	NASA-CASE-ARC-11120-1	c 52	N80-18691 *
NAS 1.71:NPO-16901-1-CU	c 31	N87-15327 *	NASA-CASE-ARC-10599-1	c 05	N73-26071 *	NASA-CASE-ARC-11121-1	c 25	N79-14169 *
NAS 1.71:NPO-16904-1-CU	c 32	N87-18691 *	NASA-CASE-ARC-10631-1	c 74	N76-20958 *	NASA-CASE-ARC-11154-1	c 25	N80-23383 *
NAS 1.71:NPO-16907-1-CU	c 25	N87-18625 *	NASA-CASE-ARC-10633-1	c 25	N74-26947 *	NASA-CASE-ARC-11157-1	c 37	N80-18393 *
NAS 1.71:NPO-16932-1	c 33	N87-15413 *	NASA-CASE-ARC-10637-1	c 35	N75-16783 *	NASA-CASE-ARC-11158-1	c 09	N82-24212 *
NAS 1.71:NPO-16949-1-CU	c 62	N87-19021 *	NASA-CASE-ARC-10639-1	c 35	N78-13400 *	NASA-CASE-ARC-11164-1	c 44	N83-34448 *
NAS 1.71:WLP-10055-2	c 35	N85-21598 *	NASA-CASE-ARC-10642-1	c 36	N76-14447 *	NASA-CASE-ARC-11167-1	c 52	N81-25662 *
NAS 1.71:13178-1	c 27	N86-20565 *	NASA-CASE-ARC-10643-1	c 25	N75-12087 *	NASA-CASE-ARC-11169-1	c 24	N79-24062 *
NAS 1.71:14346-1	c 23	N87-14433 *	NASA-CASE-ARC-10710-1	c 09	N75-12969 *	NASA-CASE-ARC-11170-1	c 27	N79-11215 *
NASA 1.71:MFS-26011-1-SB	c 52	N85-20639 *	NASA-CASE-ARC-10711-2	c 33	N76-21390 *	NASA-CASE-ARC-11174-1	c 24	N81-13999 *
NASA-CASE-ARC-10003-1	c 09	N71-25866 *	NASA-CASE-ARC-10712-1	c 07	N74-33218 *	NASA-CASE-ARC-11176-1	c 27	N82-18389 *
NASA-CASE-ARC-10009-1	c 15	N71-17822 *	NASA-CASE-ARC-10714-1	c 27	N76-15310 *	NASA-CASE-ARC-11176-2	c 27	N81-27721 *
NASA-CASE-ARC-10017-1	c 14	N72-29464 *	NASA-CASE-ARC-10716-1	c 35	N77-20399 *	NASA-CASE-ARC-11241-1	c 25	N81-14016 *
NASA-CASE-ARC-10020	c 10	N72-17172 *	NASA-CASE-ARC-10721-1	c 27	N76-22376 *	NASA-CASE-ARC-11243-2	c 23	N85-33187 *
NASA-CASE-ARC-10030	c 09	N71-12521 *	NASA-CASE-ARC-10722-1	c 51	N75-25503 *	NASA-CASE-ARC-11244-1	c 23	N82-16174 *
NASA-CASE-ARC-10042-2	c 10	N72-11256 *	NASA-CASE-ARC-10754-1	c 07	N75-27760 *	NASA-CASE-ARC-11245-1	c 28	N82-18401 *
NASA-CASE-ARC-10043-1	c 05	N71-11193 *	NASA-CASE-ARC-10755-2	c 07	N75-24736 *	NASA-CASE-ARC-11246-1	c 31	N83-34038 *
NASA-CASE-ARC-10050	c 03	N71-33409 *	NASA-CASE-ARC-10756-1	c 34	N76-27517 *	NASA-CASE-ARC-11248-1	c 27	N81-17259 *
NASA-CASE-ARC-10097-2	c 07	N73-25160 *	NASA-CASE-ARC-10760-1	c 25	N77-32721 *	NASA-CASE-ARC-11251-1	c 37	N81-17433 *
NASA-CASE-ARC-10098-1	c 06	N71-24739 *	NASA-CASE-ARC-10761-1	c 07	N76-22323 *	NASA-CASE-ARC-11252-1	c 25	N83-36118 *
NASA-CASE-ARC-10099-1	c 18	N71-15469 *	NASA-CASE-ARC-10802-1	c 35	N77-18154 *	NASA-CASE-ARC-11253-1	c 27	N81-17262 *
NASA-CASE-ARC-10100-1	c 05	N71-24738 *	NASA-CASE-ARC-10806-1	c 35	N75-30502 *	NASA-CASE-ARC-11253-2	c 27	N82-24338 *
NASA-CASE-ARC-10101-1	c 09	N71-33109 *	NASA-CASE-ARC-10807-1	c 05	N75-29381 *	NASA-CASE-ARC-11253-3	c 27	N81-24256 *
NASA-CASE-ARC-10105	c 09	N72-17153 *	NASA-CASE-ARC-10808-1	c 09	N77-17029 *	NASA-CASE-ARC-11256-1	c 15	N82-24272 *
NASA-CASE-ARC-10106-1	c 28	N72-22769 *	NASA-CASE-ARC-10810-1	c 03	N76-24280 *	NASA-CASE-ARC-11257-1	c 04	N81-21047 *
NASA-CASE-ARC-10131-1	c 15	N71-27754 *	NASA-CASE-ARC-10812-1	c 07	N76-19339 *	NASA-CASE-ARC-11258-1	c 52	N80-33081 *
NASA-CASE-ARC-10132-1	c 09	N71-24597 *	NASA-CASE-ARC-10813-1	c 27	N83-33884 *	NASA-CASE-ARC-11261-1	c 24	N83-25789 *
NASA-CASE-ARC-10134	c 30	N72-17873 *	NASA-CASE-ARC-10814-2	c 07	N76-16230 *	NASA-CASE-ARC-11264-2	c 52	N83-29991 *
NASA-CASE-ARC-10136-1	c 09	N72-22202 *	NASA-CASE-ARC-10816-1	c 07	N80-26298 *	NASA-CASE-ARC-11267-2	c 23	N82-28353 *
NASA-CASE-ARC-10137-1	c 09	N71-28468 *	NASA-CASE-ARC-10818-1	c 35	N76-24525 *	NASA-CASE-ARC-11301-1	c 27	N82-24339 *
NASA-CASE-ARC-10138-1	c 14	N72-24477 *	NASA-CASE-ARC-10849-1	c 17	N78-19466 *	NASA-CASE-ARC-11311-1	c 74	N83-13978 *
NASA-CASE-ARC-10140-1	c 15	N71-17653 *	NASA-CASE-ARC-10855-1	c 52	N76-29347 *	NASA-CASE-ARC-11312-1	c 36	N83-34304 *
NASA-CASE-ARC-10153	c 05	N71-28619 *	NASA-CASE-ARC-10892-2	c 27	N77-10780 *	NASA-CASE-ARC-11314-1	c 54	N82-26987 *
NASA-CASE-ARC-10154-1	c 14	N72-22440 *	NASA-CASE-ARC-10896-1	c 27	N79-14214 *	NASA-CASE-ARC-11317-1	c 35	N83-34272 *
NASA-CASE-ARC-10160-1	c 23	N72-27728 *	NASA-CASE-ARC-10897-1	c 35	N78-19465 *	NASA-CASE-ARC-11321-1	c 27	N81-27272 *
NASA-CASE-ARC-10176-1	c 15	N72-21464 *	NASA-CASE-ARC-10898-1	c 33	N77-31404 *	NASA-CASE-ARC-11322-1	c 51	N83-28849 *
NASA-CASE-ARC-10178-1	c 09	N72-17152 *	NASA-CASE-ARC-10899-1	c 35	N77-18417 *	NASA-CASE-ARC-11325-1	c 37	N82-22496 *
NASA-CASE-ARC-10179-1	c 21	N72-22619 *	NASA-CASE-ARC-10900-1	c 60	N77-19760 *	NASA-CASE-ARC-11326-1	c 25	N83-33977 *
NASA-CASE-ARC-10180-1	c 27	N74-12814 *	NASA-CASE-ARC-10903-1	c 35	N77-24454 *	NASA-CASE-ARC-11349-1	c 37	N86-20797 *
NASA-CASE-ARC-10192	c 09	N72-21245 *	NASA-CASE-ARC-10905-1	c 09	N78-18083 *	NASA-CASE-ARC-11354-1	c 74	N83-21949 *
NASA-CASE-ARC-10194-1	c 23	N73-20741 *	NASA-CASE-ARC-10907-1	c 37	N77-13418 *	NASA-CASE-ARC-11359-1	c 51	N84-28361 *
NASA-CASE-ARC-10196-1	c 18	N73-13562 *	NASA-CASE-ARC-10911-1	c 37	N75-32465 *	NASA-CASE-ARC-11361-1	c 35	N84-22934 *
NASA-CASE-ARC-10197-1	c 33	N74-17929 *	NASA-CASE-ARC-10912-1	c 35	N77-20400 *	NASA-CASE-ARC-11363-1	c 31	N87-16918 *
NASA-CASE-ARC-10198	c 34	N78-17336 *	NASA-CASE-ARC-10913-1	c 34	N77-19353 *	NASA-CASE-ARC-11367-1	c 33	N83-21238 *
NASA-CASE-ARC-10199	c 34	N78-17337 *	NASA-CASE-ARC-10915-2	c 24	N78-15180 *	NASA-CASE-ARC-11368-1	c 27	N83-31854 *
NASA-CASE-ARC-10263-1	c 14	N72-22438 *	NASA-CASE-ARC-10916-1	c 27	N79-18052 *	NASA-CASE-ARC-11368-2	c 27	N85-21347 *
NASA-CASE-ARC-10264-1	c 09	N73-20231 *	NASA-CASE-ARC-10917-1	c 52	N78-10686 *	NASA-CASE-ARC-11368-3	c 27	N84-22745 *
NASA-CASE-ARC-10265-1	c 10	N72-28240 *	NASA-CASE-ARC-10932-1	c 51	N78-27733 *	NASA-CASE-ARC-11370-1	c 27	N84-22750 *
NASA-CASE-ARC-10266-1	c 33	N75-29318 *	NASA-CASE-ARC-10970-1	c 74	N76-22993 *	NASA-CASE-ARC-11372-1	c 08	N86-27288 *
NASA-CASE-ARC-10269-1	c 10	N72-16172 *	NASA-CASE-ARC-10974-1	c 36	N77-25501 *	NASA-CASE-ARC-11400-1	c 27	N84-14322 *
NASA-CASE-ARC-10275-1	c 05	N72-22092 *	NASA-CASE-ARC-10975-1	c 34	N77-27345 *	NASA-CASE-ARC-11402-1	c 27	N84-22744 *
NASA-CASE-ARC-10278-1	c 14	N73-25463 *	NASA-CASE-ARC-10976-1	c 33	N79-15245 *	NASA-CASE-ARC-11402-3	c 23	N86-21582 *
NASA-CASE-ARC-10302-1	c 51	N74-15778 *	NASA-CASE-ARC-10977-1	c 74	N77-22950 *	NASA-CASE-ARC-11405-1	c 27	N84-27884 *
NASA-CASE-ARC-10304-1	c 18	N73-26572 *	NASA-CASE-ARC-10979-1	c 07	N80-32392 *	NASA-CASE-ARC-11405-2	c 27	N86-19455 *
NASA-CASE-ARC-10304-2	c 27	N74-27037 *	NASA-CASE-ARC-10980-1	c 09	N77-19076 *	NASA-CASE-ARC-11413-1	c 27	N85-21348 *
NASA-CASE-ARC-10308-1	c 06	N72-31141 *	NASA-CASE-ARC-10981-1	c 27	N80-23452 *	NASA-CASE-ARC-11414-1	c 37	N83-20152 *
NASA-CASE-ARC-10322-1	c 35	N76-16403 *	NASA-CASE-ARC-10984-1	c 37	N78-27425 *	NASA-CASE-ARC-11418-1	c 24	N84-11213 *
NASA-CASE-ARC-10325	c 06	N72-25147 *	NASA-CASE-ARC-10985-1	c 32	N77-24328 *	NASA-CASE-ARC-11421-1	c 27	N84-16340 *
NASA-CASE-ARC-10329-1	c 05	N73-26072 *	NASA-CASE-ARC-10990-1	c 52	N79-10724 *	NASA-CASE-ARC-11421-2	c 27	N86-31126 *
NASA-CASE-ARC-10330-1	c 09	N73-32112 *	NASA-CASE-ARC-10991-1	c 04	N82-16059 *	NASA-CASE-ARC-11421-3	c 24	N86-25416 *
NASA-CASE-ARC-10344-2	c 35	N75-26334 *	NASA-CASE-ARC-10992-1	c 25	N78-14104 *	NASA-CASE-ARC-11422-1	c 35	N86-20751 *
NASA-CASE-ARC-10345-1	c 15	N73-12488 *	NASA-CASE-ARC-10994-1	c 26	N78-32229 *	NASA-CASE-ARC-11423-1	c 03	N84-33394 *
NASA-CASE-ARC-10348-1	c 33	N75-19518 *	NASA-CASE-ARC-10994-2	c 52	N76-33835 *	NASA-CASE-ARC-11424-1	c 27	N85-34281 *
NASA-CASE-ARC-10362-1	c 14	N73-32326 *	NASA-CASE-ARC-11007-1	c 52	N79-26771 *	NASA-CASE-ARC-11425-1	c 23	N83-28076 *
NASA-CASE-ARC-10364-2	c 33	N75-25041 *	NASA-CASE-ARC-11008-1	c 52	N77-14736 *	NASA-CASE-ARC-11425-2	c 23	N86-20499 *
NASA-CASE-ARC-10364-3	c 33	N75-19520 *	NASA-CASE-ARC-11031-1	c 27	N78-31232 *	NASA-CASE-ARC-11426-1	c 09	N84-12193 *
NASA-CASE-ARC-10370-1	c 36	N75-31426 *	NASA-CASE-ARC-11035-1	c 52	N81-29763 *	NASA-CASE-ARC-11427-1	c 24	N86-19380 *
NASA-CASE-ARC-10441-1	c 35	N74-15126 *	NASA-CASE-ARC-11036-1	c 52	N79-18580 *	NASA-CASE-ARC-11427-2	c 27	N86-27451 *
NASA-CASE-ARC-10442-1	c 35	N74-15093 *	NASA-CASE-ARC-11039-1	c 35	N78-32395 *	NASA-CASE-ARC-11428-1	c 23	N86-19376 *
NASA-CASE-ARC-10443-1	c 14	N73-20477 *	NASA-CASE-ARC-11040-1	c 74	N78-32854 *	NASA-CASE-ARC-11428-2	c 27	N87-16909 *
NASA-CASE-ARC-10444-1	c 16	N73-33397 *	NASA-CASE-ARC-11040-2	c 24	N79-16915 *	NASA-CASE-ARC-11429-1-CU	c 27	N86-20560 *
NASA-CASE-ARC-10445-1	c 31	N76-31365 *	NASA-CASE-ARC-11042-1	c 24	N78-27184 *	NASA-CASE-ARC-11429-3CU	c 27	N87-16908 *
NASA-CASE-ARC-10447-1	c 52	N74-22771 *	NASA-CASE-ARC-11043-1	c 24	N78-14096 *	NASA-CASE-ARC-11429-4CU	c 27	N87-15304 *
NASA-CASE-ARC-10448-2	c 74	N75-12732 *	NASA-CASE-ARC-11045-1	c 24	N78-27180 *	NASA-CASE-ARC-11444-1	c 05	N85-29947 *
NASA-CASE-ARC-10448-3	c 35	N77-14408 *	NASA-CASE-ARC-11046-1	c 05	N79-17847 *	NASA-CASE-ARC-11502-1	c 74	N86-20125 *
NASA-CASE-ARC-10456-1	c 05	N75-12930 *	NASA-CASE-ARC-11051-1	c 35	N78-14364 *	NASA-CASE-ARC-11503-1	c 35	N85-34374 *
NASA-CASE-ARC-10461-1	c 44	N74-33379 *	NASA-CASE-ARC-11052-1	c 27	N78-32260 *	NASA-CASE-ARC-11504-1	c 09	N86-32447 *
NASA-CASE-ARC-10462-1	c 37	N74-27901 *	NASA-CASE-ARC-11053-1	c 37	N79-28551 *	NASA-CASE-ARC-11505-1	c 18	N84-22612 *
NASA-CASE-ARC-10463-1	c 09	N73-32111 *	NASA-CASE-ARC-11058-1	c 25	N79-10162 *	NASA-CASE-ARC-11506-2	c 23	N86-32525 *
NASA-CASE-ARC-10464-1	c 27	N74-12812 *	NASA-CASE-ARC-11058-2	c 27	N78-31233 *	NASA-CASE-ARC-11510-1	c 35	N86-32697 *
NASA-CASE-ARC-10466-1	c 60	N75-13539 *	NASA-CASE-ARC-11059-1	c 54	N78-31735 *	NASA-CASE-ARC-11511-1	c 23	N84-16259 *
NASA-CASE-ARC-10467-1	c 09	N73-14214 *	NASA-CASE-ARC-11060-1	c 54	N79-24651 *	NASA-CASE-ARC-11512-1	c 27	N84-20702 *
NASA-CASE-ARC-10468-1	c 14	N73-33361 *	NASA-CASE-ARC-11097-1	c 54	N78-32721 *	NASA-CASE-ARC-11512-2	c 27	N86-32568 *
				c 27	N79-22300 *	NASA-CASE-ARC-11522-2	c 27	N85-34280 *
				c 25	N82-24312 *	NASA-CASE-ARC-11525-1	c 37	N86-27629 *

REPORT NUMBER INDEX

NASA-CASE-GSC-11553-1

NASA-CASE-ARC-11533-1	c 27	N85-21364 *	NASA-CASE-ERC-10419-1	c 03	N75-30132 *	NASA-CASE-GSC-10487-1	c 03	N71-24719 *
NASA-CASE-ARC-11534-1	c 54	N86-29507 *	NASA-CASE-ERC-10439	c 02	N73-19004 *	NASA-CASE-GSC-10503-1	c 14	N72-20381 *
NASA-CASE-ARC-11536-1	c 33	N85-30202 *	NASA-CASE-ERC-10468	c 09	N72-20206 *	NASA-CASE-GSC-10514-1	c 14	N72-20379 *
NASA-CASE-ARC-11538-1SB	c 24	N86-21590 *	NASA-CASE-ERC-10552	c 09	N71-12539 *	NASA-CASE-GSC-10518-1	c 15	N72-22489 *
NASA-CASE-ARC-11543-1	c 54	N86-28620 *	NASA-CASE-ERC-11020	c 14	N71-26774 *	NASA-CASE-GSC-10553-1	c 07	N71-19854 *
NASA-CASE-ARC-11547-1	c 36	N87-17026 *				NASA-CASE-GSC-10554-1	c 08	N71-29033 *
NASA-CASE-ARC-11548-1	c 27	N86-21686 *	NASA-CASE-FRC-10005	c 15	N71-26145 *	NASA-CASE-GSC-10555-1	c 21	N71-27324 *
NASA-CASE-ARC-11610-1	c 54	N86-28619 *	NASA-CASE-FRC-10010	c 10	N71-24862 *	NASA-CASE-GSC-10556-1	c 31	N71-27324 *
NASA-CASE-ARC-11611-1	c 74	N86-20128 *	NASA-CASE-FRC-10012	c 14	N72-17329 *	NASA-CASE-GSC-10557-1	c 31	N71-26537 *
NASA-CASE-ARC-11613-1	c 33	N85-29150 *	NASA-CASE-FRC-10019	c 15	N73-12487 *	NASA-CASE-GSC-10564	c 10	N71-29135 *
NASA-CASE-ARC-11615-1SB	c 24	N86-28131 *	NASA-CASE-FRC-10022	c 12	N71-26546 *	NASA-CASE-GSC-10565-1	c 06	N72-25149 *
NASA-CASE-ARC-11616-1	c 54	N86-28618 *	NASA-CASE-FRC-10029-2	c 05	N72-25121 *	NASA-CASE-GSC-10566-1	c 15	N72-18477 *
NASA-CASE-ARC-11620-1	c 37	N86-21859 *	NASA-CASE-FRC-10029	c 09	N71-24618 *	NASA-CASE-GSC-10590-1	c 31	N73-14853 *
NASA-CASE-ARC-11622-1	c 44	N86-21982 *	NASA-CASE-FRC-10036	c 09	N72-22200 *	NASA-CASE-GSC-10607-1	c 15	N72-20442 *
NASA-CASE-ARC-11633-1	c 08	N86-24700 *	NASA-CASE-FRC-10038	c 15	N72-20444 *	NASA-CASE-GSC-10614-1	c 09	N72-11224 *
NASA-CASE-ARC-11634-1	c 36	N86-24978 *	NASA-CASE-FRC-10049-1	c 04	N74-13420 *	NASA-CASE-GSC-10640-1	c 28	N72-18766 *
NASA-CASE-ARC-11636-1	c 05	N87-18561 *	NASA-CASE-FRC-10051-1	c 35	N74-13129 *	NASA-CASE-GSC-10656-1	c 09	N72-25249 *
NASA-CASE-ARC-11641-1	c 24	N87-14442 *	NASA-CASE-FRC-10053	c 14	N70-35587 *	NASA-CASE-GSC-10667-1	c 10	N73-13129 *
NASA-CASE-ARC-11643-1SB	c 23	N87-15275 *	NASA-CASE-FRC-10060-1	c 14	N73-27379 *	NASA-CASE-GSC-10668-1	c 07	N71-28430 *
NASA-CASE-ARC-11646-1	c 14	N87-15253 *	NASA-CASE-FRC-10063	c 01	N71-12217 *	NASA-CASE-GSC-10669-1	c 03	N72-20031 *
NASA-CASE-ARC-11649-1SB	c 27	N87-10205 *	NASA-CASE-FRC-10071-1	c 32	N74-20813 *	NASA-CASE-GSC-10695-1	c 09	N72-25259 *
NASA-CASE-ARC-14408-1	c 27	N82-33523 *	NASA-CASE-FRC-10072-1	c 33	N74-14939 *	NASA-CASE-GSC-10700	c 23	N71-30027 *
			NASA-CASE-FRC-10081-1	c 37	N77-14477 *	NASA-CASE-GSC-10709-1	c 28	N71-25213 *
NASA-CASE-ERC-10001	c 23	N71-24868 *	NASA-CASE-FRC-10090-1	c 33	N78-18308 *	NASA-CASE-GSC-10710-1	c 28	N71-27094 *
NASA-CASE-ERC-10011	c 07	N71-29065 *	NASA-CASE-FRC-10092-1	c 05	N79-12061 *	NASA-CASE-GSC-10735-1	c 10	N71-26085 *
NASA-CASE-ERC-10013	c 09	N71-26678 *	NASA-CASE-FRC-10093-1	c 35	N80-20560 *	NASA-CASE-GSC-10780-1	c 14	N72-16283 *
NASA-CASE-ERC-10014	c 14	N71-28863 *	NASA-CASE-FRC-10111-1	c 37	N79-10419 *	NASA-CASE-GSC-10786-1	c 10	N72-28241 *
NASA-CASE-ERC-10015-2	c 10	N72-27246 *	NASA-CASE-FRC-10112-1	c 35	N81-26431 *	NASA-CASE-GSC-10791-1	c 15	N73-14469 *
NASA-CASE-ERC-10017	c 16	N71-15567 *	NASA-CASE-FRC-10113-1	c 33	N80-26599 *	NASA-CASE-GSC-10814-1	c 03	N73-20039 *
NASA-CASE-ERC-10019	c 16	N71-15551 *	NASA-CASE-FRC-10116-1	c 33	N79-23345 *	NASA-CASE-GSC-10835-1	c 09	N72-32305 *
NASA-CASE-ERC-10020	c 16	N71-26154 *	NASA-CASE-FRC-11005-1	c 06	N82-16075 *	NASA-CASE-GSC-10878-1	c 10	N72-22236 *
NASA-CASE-ERC-10022	c 15	N71-26635 *	NASA-CASE-FRC-11007-2	c 05	N82-26277 *	NASA-CASE-GSC-10879-1	c 14	N72-25413 *
NASA-CASE-ERC-10031	c 12	N71-18603 *	NASA-CASE-FRC-11009-1	c 06	N80-18036 *	NASA-CASE-GSC-10880-1	c 08	N72-11172 *
NASA-CASE-ERC-10032	c 10	N71-25900 *	NASA-CASE-FRC-11012-1	c 52	N80-23969 *	NASA-CASE-GSC-10890-1	c 21	N73-30640 *
NASA-CASE-ERC-10033	c 14	N71-26672 *	NASA-CASE-FRC-11013-1	c 43	N81-17499 *	NASA-CASE-GSC-10891-1	c 10	N71-26626 *
NASA-CASE-ERC-10034	c 15	N71-24896 *	NASA-CASE-FRC-11014-1	c 33	N82-18494 *	NASA-CASE-GSC-10903-1	c 14	N73-12444 *
NASA-CASE-ERC-10041	c 08	N71-29138 *	NASA-CASE-FRC-11024-1	c 02	N80-28300 *	NASA-CASE-GSC-10913	c 15	N72-22491 *
NASA-CASE-ERC-10044-1	c 14	N71-27090 *	NASA-CASE-FRC-11025-1	c 33	N82-24417 *	NASA-CASE-GSC-10945-1	c 21	N72-31637 *
NASA-CASE-ERC-10045	c 15	N71-24910 *	NASA-CASE-FRC-11026-1	c 24	N82-24296 *	NASA-CASE-GSC-10949-1	c 07	N71-28965 *
NASA-CASE-ERC-10046	c 10	N71-18722 *	NASA-CASE-FRC-11029-1	c 06	N81-17057 *	NASA-CASE-GSC-10975-1	c 08	N73-13187 *
NASA-CASE-ERC-10048	c 09	N72-25251 *	NASA-CASE-FRC-11041-1	c 33	N82-18493 *	NASA-CASE-GSC-10984-1	c 37	N75-26371 *
NASA-CASE-ERC-10065	c 09	N71-27364 *	NASA-CASE-FRC-11042-1	c 60	N82-24839 *	NASA-CASE-GSC-10990-1	c 09	N73-26195 *
NASA-CASE-ERC-10072	c 09	N70-11148 *	NASA-CASE-FRC-11043-1	c 06	N83-33882 *	NASA-CASE-GSC-11013-1	c 09	N73-19234 *
NASA-CASE-ERC-10073-1	c 24	N74-19769 *	NASA-CASE-FRC-11044-1	c 37	N81-33483 *	NASA-CASE-GSC-11018-1	c 31	N73-30829 *
NASA-CASE-ERC-10075-2	c 09	N72-22196 *	NASA-CASE-FRC-11052-1	c 04	N82-23231 *	NASA-CASE-GSC-11046-1	c 07	N73-28013 *
NASA-CASE-ERC-10075	c 09	N71-24800 *	NASA-CASE-FRC-11055-1	c 33	N80-29583 *	NASA-CASE-GSC-11063-1	c 37	N77-27400 *
NASA-CASE-ERC-10081	c 14	N72-28437 *	NASA-CASE-FRC-11058-1	c 85	N82-33288 *	NASA-CASE-GSC-11074-1	c 14	N73-28489 *
NASA-CASE-ERC-10087-2	c 14	N72-31446 *	NASA-CASE-FRC-11062-1	c 71	N82-16800 *	NASA-CASE-GSC-11077-1	c 02	N73-13008 *
NASA-CASE-ERC-10087	c 14	N71-27334 *	NASA-CASE-FRC-11065-1	c 05	N83-19737 *	NASA-CASE-GSC-11079-1	c 37	N75-18574 *
NASA-CASE-ERC-10088	c 26	N71-25490 *	NASA-CASE-FRC-11068-1	c 35	N84-12443 *	NASA-CASE-GSC-11092-2	c 04	N73-27052 *
NASA-CASE-ERC-10089	c 23	N72-17747 *	NASA-CASE-FRC-11072-1	c 05	N83-27975 *	NASA-CASE-GSC-11095-1	c 14	N72-10375 *
NASA-CASE-ERC-10090	c 21	N71-24948 *				NASA-CASE-GSC-11126-1	c 09	N72-25253 *
NASA-CASE-ERC-10097	c 15	N71-28465 *	NASA-CASE-GSC-10007	c 18	N71-16046 *	NASA-CASE-GSC-11127-1	c 09	N75-24758 *
NASA-CASE-ERC-10098	c 09	N71-28618 *	NASA-CASE-GSC-10017-1	c 44	N82-24643 *	NASA-CASE-GSC-11133-1	c 23	N72-11538 *
NASA-CASE-ERC-10100	c 09	N71-33519 *	NASA-CASE-GSC-10018-1	c 44	N82-24644 *	NASA-CASE-GSC-11139	c 09	N71-27016 *
NASA-CASE-ERC-10108	c 06	N72-21094 *	NASA-CASE-GSC-10019-1	c 44	N82-24641 *	NASA-CASE-GSC-11149-1	c 15	N73-30457 *
NASA-CASE-ERC-10112	c 07	N72-21119 *	NASA-CASE-GSC-10021-1	c 09	N71-24595 *	NASA-CASE-GSC-11163-1	c 15	N73-32360 *
NASA-CASE-ERC-10113	c 09	N71-27053 *	NASA-CASE-GSC-10022-1	c 10	N71-25882 *	NASA-CASE-GSC-11169-2	c 05	N73-32011 *
NASA-CASE-ERC-10119	c 26	N72-21701 *	NASA-CASE-GSC-10041-1	c 10	N71-19418 *	NASA-CASE-GSC-11182-1	c 15	N75-13007 *
NASA-CASE-ERC-10120	c 26	N69-33482 *	NASA-CASE-GSC-10062	c 14	N71-15605 *	NASA-CASE-GSC-11188-1	c 14	N73-32320 *
NASA-CASE-ERC-10125	c 09	N71-24893 *	NASA-CASE-GSC-10064-1	c 10	N72-22235 *	NASA-CASE-GSC-11188-2	c 21	N73-19630 *
NASA-CASE-ERC-10138	c 26	N71-14354 *	NASA-CASE-GSC-10065-1	c 10	N71-27136 *	NASA-CASE-GSC-11188-3	c 74	N74-20008 *
NASA-CASE-ERC-10139	c 09	N72-17154 *	NASA-CASE-GSC-10072	c 18	N71-14014 *	NASA-CASE-GSC-11205-1	c 15	N73-25513 *
NASA-CASE-ERC-10150	c 14	N71-28992 *	NASA-CASE-GSC-10082-1	c 10	N72-20221 *	NASA-CASE-GSC-11211-1	c 03	N72-25020 *
NASA-CASE-ERC-10151	c 16	N71-29131 *	NASA-CASE-GSC-10083-1	c 30	N71-16090 *	NASA-CASE-GSC-11214-1	c 06	N73-13128 *
NASA-CASE-ERC-10174	c 14	N72-25409 *	NASA-CASE-GSC-10087-1	c 02	N71-19287 *	NASA-CASE-GSC-11215-1	c 09	N73-28083 *
NASA-CASE-ERC-10178	c 16	N71-24832 *	NASA-CASE-GSC-10087-2	c 21	N71-13958 *	NASA-CASE-GSC-11222-1	c 16	N73-32391 *
NASA-CASE-ERC-10179	c 07	N72-20141 *	NASA-CASE-GSC-10087-3	c 07	N72-12080 *	NASA-CASE-GSC-11239-1	c 10	N73-25241 *
NASA-CASE-ERC-10180-1	c 60	N74-20836 *	NASA-CASE-GSC-10087-4	c 07	N73-20174 *	NASA-CASE-GSC-11262-1	c 36	N74-21091 *
NASA-CASE-ERC-10187	c 16	N69-31343 *	NASA-CASE-GSC-10097-1	c 08	N71-27210 *	NASA-CASE-GSC-11291-1	c 25	N72-33696 *
NASA-CASE-ERC-10208	c 15	N70-10867 *	NASA-CASE-GSC-10114-1	c 10	N71-27366 *	NASA-CASE-GSC-11296-1	c 23	N73-30666 *
NASA-CASE-ERC-10214	c 09	N72-31235 *	NASA-CASE-GSC-10118-1	c 07	N71-24621 *	NASA-CASE-GSC-11302-1	c 14	N73-13416 *
NASA-CASE-ERC-10222	c 09	N72-22199 *	NASA-CASE-GSC-10131-1	c 07	N71-24624 *	NASA-CASE-GSC-11304-1	c 06	N72-21105 *
NASA-CASE-ERC-10224-2	c 09	N73-27150 *	NASA-CASE-GSC-10135	c 33	N78-17296 *	NASA-CASE-GSC-11340-1	c 10	N72-33230 *
NASA-CASE-ERC-10224	c 09	N72-25261 *	NASA-CASE-GSC-10185-1	c 07	N72-12081 *	NASA-CASE-GSC-11353-1	c 74	N74-21304 *
NASA-CASE-ERC-10226-1	c 14	N73-16483 *	NASA-CASE-GSC-10186	c 08	N71-33110 *	NASA-CASE-GSC-11358-1	c 06	N73-26100 *
NASA-CASE-ERC-10248	c 14	N72-17323 *	NASA-CASE-GSC-10188-1	c 23	N71-24725 *	NASA-CASE-GSC-11367-1	c 44	N74-19692 *
NASA-CASE-ERC-10267	c 09	N72-23173 *	NASA-CASE-GSC-10216-1	c 23	N71-26722 *	NASA-CASE-GSC-11367	c 10	N71-26374 *
NASA-CASE-ERC-10268	c 09	N72-25252 *	NASA-CASE-GSC-10218-1	c 15	N72-21465 *	NASA-CASE-GSC-11368-1	c 09	N73-32108 *
NASA-CASE-ERC-10275	c 26	N72-25680 *	NASA-CASE-GSC-10220-1	c 07	N71-27233 *	NASA-CASE-GSC-11394-1	c 09	N73-32109 *
NASA-CASE-ERC-10276	c 14	N73-26432 *	NASA-CASE-GSC-10221-1	c 09	N72-23171 *	NASA-CASE-GSC-11425-1	c 76	N74-20329 *
NASA-CASE-ERC-10283	c 16	N72-25485 *	NASA-CASE-GSC-10225-1	c 06	N73-27086 *	NASA-CASE-GSC-11425-2	c 76	N75-25730 *
NASA-CASE-ERC-10285	c 10	N73-16206 *	NASA-CASE-GSC-10299-1	c 09	N71-24804 *	NASA-CASE-GSC-11428-1	c 32	N74-20864 *
NASA-CASE-ERC-10292	c 14	N72-25410 *	NASA-CASE-GSC-10303	c 15	N72-22487 *	NASA-CASE-GSC-11434-1	c 34	N74-27859 *
NASA-CASE-ERC-10307	c 08	N72-21198 *	NASA-CASE-GSC-10306-1	c 15	N71-24694 *	NASA-CASE-GSC-11444-1	c 14	N73-28490 *
NASA-CASE-ERC-10324	c 07	N72-25173 *	NASA-CASE-GSC-10344-1	c 03	N72-27053 *	NASA-CASE-GSC-11445-1	c 31	N74-27902 *
NASA-CASE-ERC-10325	c 15	N72-25457 *	NASA-CASE-GSC-10349-1	c 44	N82-24645 *	NASA-CASE-GSC-11446-1	c 33	N74-20860 *
NASA-CASE-ERC-10338	c 04	N72-33072 *	NASA-CASE-GSC-10350-1	c 44	N82-24642 *	NASA-CASE-GSC-11479-1	c 35	N74-28097 *
NASA-CASE-ERC-10339-1	c 18	N73-30532 *	NASA-CASE-GSC-10361-1	c 18	N72-23581 *	NASA-CASE-GSC-11487-1	c 14	N73-30393 *
NASA-CASE-ERC-10350	c 14	N73-20474 *	NASA-CASE-GSC-10366-1	c 10	N71-18772 *	NASA-CASE-GSC-11492-1	c 35	N74-26949 *
NASA-CASE-ERC-10363	c 18	N72-25541 *	NASA-CASE-GSC-10373-1	c 07	N71-19773 *	NASA-CASE-GSC-11513-1	c 33	N74-20862 *
NASA-CASE-ERC-10364	c 18	N72-25540 *	NASA-CASE-GSC-10376-1	c 14	N71-27407 *	NASA-CASE-GSC-11514-1	c 03	N72-24037 *
NASA-CASE-ERC-10365-1	c 31	N73-32749 *	NASA-CASE-GSC-10390-1	c 07	N72-11149 *	NASA-CASE-GSC-11531-1	c 52	N74-27566 *
NASA-CASE-ERC-10392	c 21	N73-14692 *	NASA-CASE-GSC-10413	c 10	N71-26531 *	NASA-CASE-GSC-11533-1	c 14	N73-13435 *
NASA-CASE-ERC-10403-1	c 10	N73-26228 *	NASA-CASE-GSC-10441-1	c 14	N71-27325 *	NASA-CASE-GSC-11551-1	c 37	N76-18459 *
NASA-CASE-ERC-10412-1	c 09	N73-12211 *	NASA-CASE-GSC-10452	c 07	N71-12396 *	NASA-CASE-GSC-11553-1	c 35	N74-15831 *

NASA-CASE-GSC-11560-1

REPORT NUMBER INDEX

NASA-CASE-GSC-11560-1	c 33	N74-20861 * #	NASA-CASE-GSC-12237-1	c 36	N80-14384 * #	NASA-CASE-GSC-12970-1	c 08	N86-20396 * #
NASA-CASE-GSC-11569-1	c 89	N74-30886 * #	NASA-CASE-GSC-12253-1	c 34	N79-31523 * #	NASA-CASE-GSC-13008-1	c 27	N86-32570 * #
NASA-CASE-GSC-11571-1	c 36	N77-25499 * #	NASA-CASE-GSC-12263-1	c 74	N79-20857 * #			
NASA-CASE-GSC-11577-1	c 37	N75-15992 * #	NASA-CASE-GSC-12273-1	c 35	N80-21719 * #	NASA-CASE-HQN-00573-1	c 37	N79-33468 * #
NASA-CASE-GSC-11577-3	c 24	N79-25143 * #	NASA-CASE-GSC-12274-1	c 37	N79-28549 * #	NASA-CASE-HQN-00936	c 31	N71-29050 * #
NASA-CASE-GSC-11582-1	c 33	N75-19517 * #	NASA-CASE-GSC-12289-1	c 37	N80-32717 * #	NASA-CASE-HQN-00937	c 07	N71-28979 * #
NASA-CASE-GSC-11600-1	c 35	N74-21019 * #	NASA-CASE-GSC-12291-1	c 76	N80-18951 * #	NASA-CASE-HQN-00938	c 33	N71-29053 * #
NASA-CASE-GSC-11602-1	c 33	N74-21850 * #	NASA-CASE-GSC-12297-1	c 37	N79-28549 * #	NASA-CASE-HQN-10037-1	c 14	N73-27376 * #
NASA-CASE-GSC-11617-1	c 33	N74-32660 * #	NASA-CASE-GSC-12303-1	c 24	N79-31347 * #	NASA-CASE-HQN-10069	c 33	N75-27251 * #
NASA-CASE-GSC-11619-1	c 34	N75-12222 * #	NASA-CASE-GSC-12318-1	c 37	N80-23655 * #	NASA-CASE-HQN-10274-1	c 27	N82-29451 * #
NASA-CASE-GSC-11620-1	c 34	N74-23039 * #	NASA-CASE-GSC-12321-1	c 36	N82-16396 * #	NASA-CASE-HQN-10328-2	c 27	N82-29454 * #
NASA-CASE-GSC-11623-1	c 33	N75-25040 * #	NASA-CASE-GSC-12322-1	c 37	N80-14398 * #	NASA-CASE-HQN-10364	c 06	N71-27363 * #
NASA-CASE-GSC-11743-1	c 32	N75-24981 * #	NASA-CASE-GSC-12324-1	c 33	N81-33403 * #	NASA-CASE-HQN-10439	c 21	N72-21624 * #
NASA-CASE-GSC-11744-1	c 33	N75-26243 * #	NASA-CASE-GSC-12331-1	c 18	N80-14183 * #	NASA-CASE-HQN-10462	c 25	N75-29192 * #
NASA-CASE-GSC-11746-1	c 36	N75-19654 * #	NASA-CASE-GSC-12334-1	c 36	N79-14362 * #	NASA-CASE-HQN-10537-1	c 06	N72-10138 * #
NASA-CASE-GSC-11752-1	c 77	N75-20140 * #	NASA-CASE-GSC-12347-1	c 33	N80-18286 * #	NASA-CASE-HQN-10541-1	c 07	N71-26291 * #
NASA-CASE-GSC-11760-1	c 33	N75-19516 * #	NASA-CASE-GSC-12348-1	c 74	N80-24149 * #	NASA-CASE-HQN-10541-2	c 15	N71-27135 * #
NASA-CASE-GSC-11782-1	c 74	N76-30053 * #	NASA-CASE-GSC-12354-1	c 35	N82-24471 * #	NASA-CASE-HQN-10541-3	c 23	N72-23695 * #
NASA-CASE-GSC-11783-1	c 33	N75-19516 * #	NASA-CASE-GSC-12357-1	c 74	N80-21140 * #	NASA-CASE-HQN-10541-4	c 16	N71-27183 * #
NASA-CASE-GSC-11786-1	c 24	N76-24363 * #	NASA-CASE-GSC-12360-1	c 33	N81-19392 * #	NASA-CASE-HQN-10542-1	c 74	N75-25706 * #
NASA-CASE-GSC-11789-1	c 33	N77-14333 * #	NASA-CASE-GSC-12365-1	c 32	N80-28578 * #	NASA-CASE-HQN-10595-1	c 27	N82-29455 * #
NASA-CASE-GSC-11824-1	c 33	N77-26386 * #	NASA-CASE-GSC-12399-1	c 33	N81-25299 * #	NASA-CASE-HQN-10638-1	c 15	N73-30460 * #
NASA-CASE-GSC-11829-1	c 35	N75-27331 * #	NASA-CASE-GSC-12411-1	c 33	N81-14221 * #	NASA-CASE-HQN-10654-1	c 16	N73-13489 * #
NASA-CASE-GSC-11839-1	c 60	N77-14751 * #	NASA-CASE-GSC-12415-1	c 33	N82-24419 * #	NASA-CASE-HQN-10683	c 14	N71-34389 * #
NASA-CASE-GSC-11839-2	c 60	N78-10709 * #	NASA-CASE-GSC-12420-1	c 33	N82-16340 * #	NASA-CASE-HQN-10703	c 21	N73-13643 * #
NASA-CASE-GSC-11839-3	c 60	N77-32731 * #	NASA-CASE-GSC-12429-1	c 37	N81-14320 * #	NASA-CASE-HQN-10740-1	c 72	N74-19310 * #
NASA-CASE-GSC-11844-1	c 33	N75-19522 * #	NASA-CASE-GSC-12430-1	c 60	N82-16747 * #	NASA-CASE-HQN-10756-1	c 14	N72-25428 * #
NASA-CASE-GSC-11849-1	c 33	N76-16332 * #	NASA-CASE-GSC-12447-2	c 60	N84-28491 * #	NASA-CASE-HQN-10780	c 14	N71-30265 * #
NASA-CASE-GSC-11862-1	c 32	N76-18295 * #	NASA-CASE-GSC-12508-1	c 04	N84-22546 * #	NASA-CASE-HQN-10781	c 23	N71-30292 * #
NASA-CASE-GSC-11868-1	c 17	N76-22245 * #	NASA-CASE-GSC-12513-1	c 31	N81-19343 * #	NASA-CASE-HQN-10790-1	c 36	N74-11313 * #
NASA-CASE-GSC-11877-1	c 74	N76-18913 * #	NASA-CASE-GSC-12515-1	c 33	N81-26360 * #	NASA-CASE-HQN-10792-1	c 33	N74-11049 * #
NASA-CASE-GSC-11883-1	c 37	N77-19458 * #	NASA-CASE-GSC-12517-1	c 37	N83-32067 * #	NASA-CASE-HQN-10832-1	c 71	N74-21014 * #
NASA-CASE-GSC-11883-2	c 37	N78-31426 * #	NASA-CASE-GSC-12518-1	c 33	N82-24421 * #	NASA-CASE-HQN-10841-1	c 73	N78-19920 * #
NASA-CASE-GSC-11889-1	c 35	N76-16393 * #	NASA-CASE-GSC-12528-1	c 74	N81-24900 * #	NASA-CASE-HQN-10844-1	c 36	N75-19653 * #
NASA-CASE-GSC-11892-1	c 35	N76-15433 * #	NASA-CASE-GSC-12550-1	c 37	N84-28082 * #	NASA-CASE-HQN-10862-1	c 44	N76-29699 * #
NASA-CASE-GSC-11893-1	c 35	N76-31489 * #	NASA-CASE-GSC-12551-1	c 18	N83-28064 * #	NASA-CASE-HQN-10876-1	c 33	N76-27473 * #
NASA-CASE-GSC-11895-1	c 35	N76-15436 * #	NASA-CASE-GSC-12553-1	c 34	N83-28356 * #	NASA-CASE-HQN-10880-1	c 17	N78-17140 * #
NASA-CASE-GSC-11898-1	c 32	N77-30309 * #	NASA-CASE-GSC-12555-1	c 33	N86-19515 * #	NASA-CASE-HQN-10888-1	c 44	N79-14527 * #
NASA-CASE-GSC-11902-1	c 38	N77-17495 * #	NASA-CASE-GSC-12558-1	c 36	N85-21639 * #	NASA-CASE-HQN-10931-2	c 27	N82-29452 * #
NASA-CASE-GSC-11909	c 32	N74-20863 * #	NASA-CASE-GSC-12560-1	c 52	N82-29863 * #			
NASA-CASE-GSC-11917-2	c 51	N76-29891 * #	NASA-CASE-GSC-12565-1	c 36	N84-14509 * #	NASA-CASE-KSC-10002	c 10	N71-25865 * #
NASA-CASE-GSC-11924-1	c 33	N76-27472 * #	NASA-CASE-GSC-12566-1	c 33	N83-34189 * #	NASA-CASE-KSC-10003	c 10	N73-13235 * #
NASA-CASE-GSC-11925-1	c 33	N76-18353 * #	NASA-CASE-GSC-12567-1	c 33	N84-22887 * #	NASA-CASE-KSC-10020	c 10	N71-27338 * #
NASA-CASE-GSC-11960-1	c 37	N77-14479 * #	NASA-CASE-GSC-12582-2	c 37	N85-20337 * #	NASA-CASE-KSC-10031	c 15	N72-22486 * #
NASA-CASE-GSC-11963-1	c 33	N77-10429 * #	NASA-CASE-GSC-12584-1	c 37	N82-32730 * #	NASA-CASE-KSC-10108	c 14	N73-25461 * #
NASA-CASE-GSC-11968-1	c 32	N76-15329 * #	NASA-CASE-GSC-12587-1	c 35	N82-32659 * #	NASA-CASE-KSC-10126	c 11	N71-24985 * #
NASA-CASE-GSC-11974-1	c 37	N77-19458 * #	NASA-CASE-GSC-12592-1	c 36	N84-28065 * #	NASA-CASE-KSC-10162	c 09	N72-11225 * #
NASA-CASE-GSC-11975-1	c 37	N77-19458 * #	NASA-CASE-GSC-12595-1	c 33	N82-24422 * #	NASA-CASE-KSC-10164	c 07	N71-33108 * #
NASA-CASE-GSC-11976-1	c 43	N78-10529 * #	NASA-CASE-GSC-12608-1	c 74	N83-10900 * #	NASA-CASE-KSC-10198	c 11	N71-28629 * #
NASA-CASE-GSC-11978-1	c 37	N77-17464 * #	NASA-CASE-GSC-12609-1	c 36	N81-22344 * #	NASA-CASE-KSC-10242	c 15	N72-23497 * #
NASA-CASE-GSC-11989-1	c 74	N77-28932 * #	NASA-CASE-GSC-12609-2	c 36	N83-29681 * #	NASA-CASE-KSC-10278	c 05	N72-16015 * #
NASA-CASE-GSC-11998-1	c 34	N77-32413 * #	NASA-CASE-GSC-12614-1	c 74	N83-32577 * #	NASA-CASE-KSC-10294	c 14	N72-18411 * #
NASA-CASE-GSC-12010-1	c 74	N78-18905 * #	NASA-CASE-GSC-12619-1	c 37	N84-12491 * #	NASA-CASE-KSC-10326	c 08	N72-21197 * #
NASA-CASE-GSC-12017-1	c 32	N77-30308 * #	NASA-CASE-GSC-12622-1	c 37	N84-12492 * #	NASA-CASE-KSC-10392	c 07	N73-26117 * #
NASA-CASE-GSC-12018-1	c 33	N77-14334 * #	NASA-CASE-GSC-12630-1	c 33	N83-36355 * #	NASA-CASE-KSC-10393	c 09	N72-21247 * #
NASA-CASE-GSC-12022-1	c 44	N76-28635 * #	NASA-CASE-GSC-12636-1	c 31	N82-7058 * #	NASA-CASE-KSC-10397	c 08	N72-25206 * #
NASA-CASE-GSC-12022-2	c 44	N78-24609 * #	NASA-CASE-GSC-12640-1	c 74	N84-11920 * #	NASA-CASE-KSC-10513	c 15	N72-25453 * #
NASA-CASE-GSC-12023-1	c 44	N76-28635 * #	NASA-CASE-GSC-12643-1	c 37	N83-26078 * #	NASA-CASE-KSC-10521	c 07	N73-20176 * #
NASA-CASE-GSC-12030-1	c 44	N78-24608 * #	NASA-CASE-GSC-12645-1	c 33	N84-16454 * #	NASA-CASE-KSC-10565	c 09	N72-25250 * #
NASA-CASE-GSC-12032-2	c 43	N82-13465 * #	NASA-CASE-GSC-12646-1	c 33	N83-34191 * #	NASA-CASE-KSC-10595	c 08	N73-12176 * #
NASA-CASE-GSC-12039-1	c 51	N77-22794 * #	NASA-CASE-GSC-12650-1	c 33	N84-14421 * #	NASA-CASE-KSC-10615	c 15	N73-12486 * #
NASA-CASE-GSC-12044-1	c 60	N78-17691 * #	NASA-CASE-GSC-12652-1	c 52	N84-34913 * #	NASA-CASE-KSC-10622-1	c 31	N72-21893 * #
NASA-CASE-GSC-12046-1	c 52	N79-14750 * #	NASA-CASE-GSC-12682-1	c 35	N84-33765 * #	NASA-CASE-KSC-10626	c 14	N73-27378 * #
NASA-CASE-GSC-12053-1	c 32	N77-28346 * #	NASA-CASE-GSC-12683-1	c 74	N83-36898 * #	NASA-CASE-KSC-10639	c 15	N73-26472 * #
NASA-CASE-GSC-12058-1	c 74	N77-26942 * #	NASA-CASE-GSC-12686-1	c 27	N83-34039 * #	NASA-CASE-KSC-10644	c 09	N72-27227 * #
NASA-CASE-GSC-12059-1	c 35	N77-27366 * #	NASA-CASE-GSC-12697-1	c 44	N83-28574 * #	NASA-CASE-KSC-10647-1	c 10	N72-31273 * #
NASA-CASE-GSC-12075-1	c 32	N77-31350 * #	NASA-CASE-GSC-12726-1	c 37	N83-34323 * #	NASA-CASE-KSC-10654-1	c 07	N73-30115 * #
NASA-CASE-GSC-12077-1	c 35	N77-24455 * #	NASA-CASE-GSC-12756-1	c 74	N84-23248 * #	NASA-CASE-KSC-10698	c 07	N73-20175 * #
NASA-CASE-GSC-12081-2	c 52	N82-22875 * #	NASA-CASE-GSC-12761-1	c 74	N86-32266 * #	NASA-CASE-KSC-10723-1	c 37	N75-13265 * #
NASA-CASE-GSC-12082-1	c 54	N76-22914 * #	NASA-CASE-GSC-12762-1	c 37	N84-28083 * #	NASA-CASE-KSC-10728-1	c 14	N73-32319 * #
NASA-CASE-GSC-12082-2	c 52	N81-25661 * #	NASA-CASE-GSC-12770-1	c 25	N83-29324 * #	NASA-CASE-KSC-10729-1	c 09	N73-32110 * #
NASA-CASE-GSC-12083-1	c 73	N78-32848 * #	NASA-CASE-GSC-12771-1	c 34	N84-14461 * #	NASA-CASE-KSC-10730-1	c 14	N73-32318 * #
NASA-CASE-GSC-12088-1	c 74	N78-13874 * #	NASA-CASE-GSC-12782-1	c 33	N83-13360 * #	NASA-CASE-KSC-10731-1	c 33	N74-27862 * #
NASA-CASE-GSC-12110-1	c 27	N77-32308 * #	NASA-CASE-GSC-12788-1	c 33	N85-29145 * #	NASA-CASE-KSC-10736-1	c 33	N75-19521 * #
NASA-CASE-GSC-12111-2	c 33	N81-29342 * #	NASA-CASE-GSC-12789-1	c 35	N85-20294 * #	NASA-CASE-KSC-10750-1	c 35	N75-12270 * #
NASA-CASE-GSC-12115-1	c 62	N76-31946 * #	NASA-CASE-GSC-12795-1	c 35	N86-19580 * #	NASA-CASE-KSC-10769-1	c 33	N74-29556 * #
NASA-CASE-GSC-12137-1	c 33	N78-32338 * #	NASA-CASE-GSC-12799-1	c 31	N85-21404 * #	NASA-CASE-KSC-10782-1	c 33	N75-30431 * #
NASA-CASE-GSC-12138-1	c 33	N79-20314 * #	NASA-CASE-GSC-12804-1	c 33	N86-20668 * #	NASA-CASE-KSC-10807-1	c 33	N75-26246 * #
NASA-CASE-GSC-12143-1	c 35	N77-32456 * #	NASA-CASE-GSC-12808-1	c 25	N85-21279 * #	NASA-CASE-KSC-10834-1	c 33	N76-14371 * #
NASA-CASE-GSC-12145-1	c 33	N78-23339 * #	NASA-CASE-GSC-12812-1	c 34	N83-35307 * #	NASA-CASE-KSC-10849-1	c 52	N77-14738 * #
NASA-CASE-GSC-12146-1	c 33	N78-32340 * #	NASA-CASE-GSC-12816-1	c 76	N86-20150 * #	NASA-CASE-KSC-10899-1	c 33	N79-18193 * #
NASA-CASE-GSC-12147-1	c 32	N81-27341 * #	NASA-CASE-GSC-12817-1	c 33	N85-29146 * #	NASA-CASE-KSC-11004-1	c 54	N77-30749 * #
NASA-CASE-GSC-12148-1	c 32	N79-20296 * #	NASA-CASE-GSC-12818-1	c 33	N85-29147 * #	NASA-CASE-KSC-11008-1	c 33	N79-22373 * #
NASA-CASE-GSC-12150-1	c 32	N79-11265 * #	NASA-CASE-GSC-12825-1	c 74	N86-28732 * #	NASA-CASE-KSC-11010-1	c 74	N79-12890 * #
NASA-CASE-GSC-12158-1	c 51	N83-27569 * #	NASA-CASE-GSC-12849-1	c 74	N86-26190 * #	NASA-CASE-KSC-11018-1	c 33	N79-10337 * #
NASA-CASE-GSC-12168-1	c 31	N79-17029 * #	NASA-CASE-GSC-12851-1	c 35	N85-30281 * #	NASA-CASE-KSC-11023-1	c 32	N79-23310 * #
NASA-CASE-GSC-12171-1	c 33	N79-28416 * #	NASA-CASE-GSC-12880-1	c 26	N86-32550 * #	NASA-CASE-KSC-11025-1	c 32	N83-13323 * #
NASA-CASE-GSC-12173-1	c 51	N79-10694 * #	NASA-CASE-GSC-12883-1	c 27	N85-29044 * #	NASA-CASE-KSC-11030-1	c 52	N77-25772 * #
NASA-CASE-GSC-12190-1	c 33	N79-12321 * #	NASA-CASE-GSC-12892-1	c 32	N85-20226 * #	NASA-CASE-KSC-11031-1	c 33	N79-11315 * #
NASA-CASE-GSC-12191-1	c 31	N80-32583 * #	NASA-CASE-GSC-12899-1	c 33	N86-20669 * #	NASA-CASE-KSC-11034-1	c 44	N78-32542 * #
NASA-CASE-GSC-12194-2	c 20	N82-18314 * #	NASA-CASE-GSC-12911-1	c 74	N86-29650 * #	NASA-CASE-KSC-11035-1	c 35	N78-28411 * #
NASA-CASE-GSC-12207-1	c 24	N79-14156 * #	NASA-CASE-GSC-12944-1	c 52	N86-19885 * #	NASA-CASE-KSC-11042-1	c 09	N82-29330 * #
NASA-CASE-GSC-12219-1	c 35	N80-18359 * #	NASA-CASE-GSC-12956-1	c 35	N87-14671 * #	NASA-CASE-KSC-11042-2	c 02	N81-26073 * #
NASA-CASE-GSC-12223-1	c 60	N83-25378 * #	NASA-CASE-GSC-12957-1	c 37	N87-17038 * #	NASA-CASE-KSC-11047-1	c 74	N78-14889 * #
NASA-CASE-GSC-12225-1	c 74	N79-14891 * #	NASA-CASE-GSC-12958-1	c 33	N86-32624 * #	NASA-CASE-KSC-11048-1	c 62	N81-24779 * #
NASA-CASE-GSC-12228-1	c 33	N79-10338 * #	NASA-CASE-GSC-12961-1	c 33	N86-20679 * #	NASA-CASE-KSC-11057-1	c 33	N79-14305 * #

REPORT NUMBER INDEX

NASA-CASE-LAR-12261-1

NASA-CASE-KSC-11064-1	c 31	N81-14137 *	#	NASA-CASE-LAR-10546-1	c 11	N72-25287 *	#	NASA-CASE-LAR-11397-1	c 27	N75-29263 *	#
NASA-CASE-KSC-11065-1	c 33	N81-26359 *	#	NASA-CASE-LAR-10547-1	c 31	N74-13177 *	#	NASA-CASE-LAR-11405-1	c 45	N76-31714 *	#
NASA-CASE-KSC-11069-1	c 52	N79-26772 *	#	NASA-CASE-LAR-10549-1	c 31	N73-13898 *	#	NASA-CASE-LAR-11428-1	c 35	N74-34857 *	#
NASA-CASE-KSC-11076-1	c 34	N81-26402 *	#	NASA-CASE-LAR-10550-1	c 09	N74-30597 *	#	NASA-CASE-LAR-11434-1	c 35	N76-22509 *	#
NASA-CASE-KSC-11085-1	c 54	N81-24724 *	#	NASA-CASE-LAR-10551-1	c 25	N74-12813 *	#	NASA-CASE-LAR-11435-1	c 35	N76-15432 *	#
NASA-CASE-KSC-11097-1	c 27	N82-33520 *	#	NASA-CASE-LAR-10557	c 02	N72-11018 *	#	NASA-CASE-LAR-11458-1	c 35	N76-16392 *	#
NASA-CASE-KSC-11099-1	c 47	N82-24779 *	#	NASA-CASE-LAR-10574-1	c 11	N73-13257 *	#	NASA-CASE-LAR-11465-1	c 37	N76-21554 *	#
NASA-CASE-KSC-11104-1	c 74	N83-29032 *	#	NASA-CASE-LAR-10578-1	c 12	N73-25262 *	#	NASA-CASE-LAR-11476-1	c 07	N76-27232 *	#
NASA-CASE-KSC-11155-1	c 04	N86-19304 *	#	NASA-CASE-LAR-10585-1	c 02	N76-22154 *	#	NASA-CASE-LAR-11490-1	c 39	N78-16387 *	#
NASA-CASE-KSC-11170-1	c 33	N83-36356 *	#	NASA-CASE-LAR-10586-1	c 19	N74-15089 *	#	NASA-CASE-LAR-11500-1	c 35	N76-24523 *	#
NASA-CASE-KSC-11218-1	c 09	N85-19990 *	#	NASA-CASE-LAR-10590-1	c 15	N70-26819 *	#	NASA-CASE-LAR-11549-1	c 37	N77-11397 *	#
NASA-CASE-KSC-11285-1	c 32	N86-27513 *	#	NASA-CASE-LAR-10595-1	c 35	N74-16135 *	#	NASA-CASE-LAR-11551-1	c 44	N80-29834 *	#
NASA-CASE-KSC-11304-1	c 28	N84-29017 *	#	NASA-CASE-LAR-10612-1	c 12	N73-28144 *	#	NASA-CASE-LAR-11552-1	c 35	N76-14429 *	#
NASA-CASE-KSC-11304-2	c 28	N86-23744 *	#	NASA-CASE-LAR-10620-1	c 09	N72-25255 *	#	NASA-CASE-LAR-11563-1	c 37	N77-23482 *	#
				NASA-CASE-LAR-10623-1	c 14	N73-30395 *	#	NASA-CASE-LAR-11570-1	c 34	N76-18364 *	#
NASA-CASE-LAR-02743	c 14	N73-32324 *	#	NASA-CASE-LAR-10626-1	c 19	N74-21015 *	#	NASA-CASE-LAR-11575-1	c 02	N76-16014 *	#
NASA-CASE-LAR-10000	c 14	N73-30394 *	#	NASA-CASE-LAR-10629-1	c 35	N75-33367 *	#	NASA-CASE-LAR-11607-1	c 32	N77-14292 *	#
NASA-CASE-LAR-10007-1	c 05	N71-11195 *	#	NASA-CASE-LAR-10634-1	c 37	N74-18123 *	#	NASA-CASE-LAR-11617-2	c 35	N78-32397 *	#
NASA-CASE-LAR-10031	c 15	N72-22484 *	#	NASA-CASE-LAR-10642-1	c 07	N74-13120 *	#	NASA-CASE-LAR-11645-1	c 02	N77-10001 *	#
NASA-CASE-LAR-10056	c 05	N71-12351 *	#	NASA-CASE-LAR-10668-1	c 06	N73-16106 *	#	NASA-CASE-LAR-11648-1	c 35	N77-14407 *	#
NASA-CASE-LAR-10061-1	c 15	N72-31483 *	#	NASA-CASE-LAR-10670-1	c 06	N73-30097 *	#	NASA-CASE-LAR-11649-1	c 51	N77-27677 *	#
NASA-CASE-LAR-10073-1	c 37	N76-24575 *	#	NASA-CASE-LAR-10670-2	c 15	N74-27360 *	#	NASA-CASE-LAR-11658-1	c 37	N77-14478 *	#
NASA-CASE-LAR-10076-1	c 05	N73-20137 *	#	NASA-CASE-LAR-10682-1	c 02	N73-26004 *	#	NASA-CASE-LAR-11667-1	c 52	N76-19785 *	#
NASA-CASE-LAR-10083-1	c 15	N71-27006 *	#	NASA-CASE-LAR-10686	c 14	N71-28935 *	#	NASA-CASE-LAR-11674-1	c 07	N76-18117 *	#
NASA-CASE-LAR-10089-1	c 34	N74-23066 *	#	NASA-CASE-LAR-10688-1	c 37	N74-21056 *	#	NASA-CASE-LAR-11675-1	c 45	N76-17656 *	#
NASA-CASE-LAR-10098	c 32	N71-26681 *	#	NASA-CASE-LAR-10717-1	c 21	N73-30641 *	#	NASA-CASE-LAR-11688-1	c 24	N82-26384 *	#
NASA-CASE-LAR-10102-1	c 05	N72-23085 *	#	NASA-CASE-LAR-10726-1	c 14	N73-20475 *	#	NASA-CASE-LAR-11690-1	c 35	N80-14371 *	#
NASA-CASE-LAR-10103-1	c 15	N73-14468 *	#	NASA-CASE-LAR-10728-1	c 14	N73-12445 *	#	NASA-CASE-LAR-11695-2	c 37	N80-18402 *	#
NASA-CASE-LAR-10105-1	c 34	N74-15652 *	#	NASA-CASE-LAR-10730-1	c 33	N74-10223 *	#	NASA-CASE-LAR-11695-2	c 37	N81-24443 *	#
NASA-CASE-LAR-10106-1	c 15	N71-27169 *	#	NASA-CASE-LAR-10739-1	c 14	N73-16484 *	#	NASA-CASE-LAR-11709-1	c 37	N76-27567 *	#
NASA-CASE-LAR-10121-1	c 15	N71-26721 *	#	NASA-CASE-LAR-10753-1	c 08	N74-30421 *	#	NASA-CASE-LAR-11711-1	c 74	N78-17866 *	#
NASA-CASE-LAR-10128-1	c 08	N73-20217 *	#	NASA-CASE-LAR-10756-1	c 32	N73-26910 *	#	NASA-CASE-LAR-11726-1	c 37	N76-27568 *	#
NASA-CASE-LAR-10129-1	c 15	N73-25512 *	#	NASA-CASE-LAR-10765-1	c 32	N73-20740 *	#	NASA-CASE-LAR-11729-1	c 34	N79-12359 *	#
NASA-CASE-LAR-10129-2	c 37	N74-20063 *	#	NASA-CASE-LAR-10773-3	c 51	N77-25769 *	#	NASA-CASE-LAR-11745-1	c 32	N80-29539 *	#
NASA-CASE-LAR-10135-1	c 09	N79-21083 *	#	NASA-CASE-LAR-10774	c 10	N71-13545 *	#	NASA-CASE-LAR-11782-1	c 74	N77-20882 *	#
NASA-CASE-LAR-10137-1	c 09	N72-22204 *	#	NASA-CASE-LAR-10776-1	c 02	N74-10034 *	#	NASA-CASE-LAR-11797-1	c 05	N81-19087 *	#
NASA-CASE-LAR-10163-1	c 09	N72-25247 *	#	NASA-CASE-LAR-10782-1	c 31	N74-14133 *	#	NASA-CASE-LAR-11821-1	c 26	N80-28492 *	#
NASA-CASE-LAR-10168-1	c 33	N74-22865 *	#	NASA-CASE-LAR-10782-2	c 31	N75-13111 *	#	NASA-CASE-LAR-11825-1	c 35	N77-22449 *	#
NASA-CASE-LAR-10170-1	c 37	N74-11301 *	#	NASA-CASE-LAR-10799-2	c 34	N76-17317 *	#	NASA-CASE-LAR-11827-1	c 32	N77-10392 *	#
NASA-CASE-LAR-10173-1	c 27	N71-14090 *	#	NASA-CASE-LAR-10800-1	c 33	N72-27959 *	#	NASA-CASE-LAR-11828-1	c 27	N78-32261 *	#
NASA-CASE-LAR-10176-1	c 14	N72-20380 *	#	NASA-CASE-LAR-10805-2	c 34	N77-18382 *	#	NASA-CASE-LAR-11855-1	c 37	N81-14319 *	#
NASA-CASE-LAR-10180-1	c 06	N71-13461 *	#	NASA-CASE-LAR-10806-1	c 35	N74-32877 *	#	NASA-CASE-LAR-11859-1	c 35	N79-14349 *	#
NASA-CASE-LAR-10184	c 14	N72-22445 *	#	NASA-CASE-LAR-10812-1	c 09	N74-17955 *	#	NASA-CASE-LAR-11868-2	c 08	N79-14108 *	#
NASA-CASE-LAR-10193-1	c 15	N71-27146 *	#	NASA-CASE-LAR-10815-1	c 16	N72-22520 *	#	NASA-CASE-LAR-11869-1	c 74	N78-27904 *	#
NASA-CASE-LAR-10194-1	c 34	N74-30608 *	#	NASA-CASE-LAR-10836-1	c 26	N72-27784 *	#	NASA-CASE-LAR-11883-1	c 09	N77-27131 *	#
NASA-CASE-LAR-10195-1	c 15	N73-19458 *	#	NASA-CASE-LAR-10841-1	c 31	N74-27900 *	#	NASA-CASE-LAR-11889-1	c 35	N79-26372 *	#
NASA-CASE-LAR-10203-1	c 15	N72-16330 *	#	NASA-CASE-LAR-10855-1	c 14	N73-13415 *	#	NASA-CASE-LAR-11889-2	c 37	N78-27424 *	#
NASA-CASE-LAR-10204	c 14	N71-27215 *	#	NASA-CASE-LAR-10862-1	c 35	N74-15092 *	#	NASA-CASE-LAR-11898-1	c 24	N78-10214 *	#
NASA-CASE-LAR-10208-1	c 35	N76-18400 *	#	NASA-CASE-LAR-10868-1	c 33	N74-11050 *	#	NASA-CASE-LAR-11898-2	c 24	N78-17149 *	#
NASA-CASE-LAR-10218-1	c 09	N70-34559 *	#	NASA-CASE-LAR-10894-1	c 18	N73-14584 *	#	NASA-CASE-LAR-11900-1	c 37	N79-14382 *	#
NASA-CASE-LAR-10226-1	c 14	N73-19419 *	#	NASA-CASE-LAR-10900-1	c 37	N74-23064 *	#	NASA-CASE-LAR-11902-1	c 27	N78-17206 *	#
NASA-CASE-LAR-10241-1	c 54	N74-14845 *	#	NASA-CASE-LAR-10907-1	c 35	N76-29551 *	#	NASA-CASE-LAR-11903-2	c 71	N84-14873 *	#
NASA-CASE-LAR-10249-1	c 02	N71-26110 *	#	NASA-CASE-LAR-10910-1	c 35	N74-13132 *	#	NASA-CASE-LAR-11919-1	c 07	N78-17121 *	#
NASA-CASE-LAR-10253-1	c 09	N72-25258 *	#	NASA-CASE-LAR-10913	c 14	N72-16282 *	#	NASA-CASE-LAR-11922-1	c 25	N79-24073 *	#
NASA-CASE-LAR-10256-1	c 85	N74-34672 *	#	NASA-CASE-LAR-10941-1	c 37	N74-21057 *	#	NASA-CASE-LAR-11932-1	c 05	N78-32086 *	#
NASA-CASE-LAR-10270-1	c 32	N72-25877 *	#	NASA-CASE-LAR-10941-2	c 37	N79-13364 *	#	NASA-CASE-LAR-11970-2	c 08	N81-19130 *	#
NASA-CASE-LAR-10274-1	c 14	N71-17626 *	#	NASA-CASE-LAR-10953-1	c 17	N73-27446 *	#	NASA-CASE-LAR-11973-1	c 35	N78-27384 *	#
NASA-CASE-LAR-10276-1	c 09	N75-15662 *	#	NASA-CASE-LAR-10970-1	c 33	N76-14372 *	#	NASA-CASE-LAR-11995-1	c 28	N77-10213 *	#
NASA-CASE-LAR-10294-1	c 26	N72-28762 *	#	NASA-CASE-LAR-10994-1	c 24	N75-13032 *	#	NASA-CASE-LAR-11999-1	c 44	N80-18552 *	#
NASA-CASE-LAR-10295-1	c 35	N74-21062 *	#	NASA-CASE-LAR-11021-1	c 32	N76-14321 *	#	NASA-CASE-LAR-12007-3	c 35	N84-16523 *	#
NASA-CASE-LAR-10305	c 14	N71-26137 *	#	NASA-CASE-LAR-11027-1	c 35	N74-18088 *	#	NASA-CASE-LAR-12009-1	c 44	N78-15560 *	#
NASA-CASE-LAR-10310-1	c 10	N73-20253 *	#	NASA-CASE-LAR-11042-1	c 33	N75-27252 *	#	NASA-CASE-LAR-12016-1	c 39	N78-15512 *	#
NASA-CASE-LAR-10311-1	c 16	N73-16536 *	#	NASA-CASE-LAR-11051-1	c 15	N76-14158 *	#	NASA-CASE-LAR-12018-1	c 20	N78-24275 *	#
NASA-CASE-LAR-10317-1	c 32	N71-16103 *	#	NASA-CASE-LAR-11053-1	c 25	N74-18551 *	#	NASA-CASE-LAR-12019-1	c 24	N78-17150 *	#
NASA-CASE-LAR-10318-1	c 31	N74-18089 *	#	NASA-CASE-LAR-11059-1	c 76	N75-12810 *	#	NASA-CASE-LAR-12027-1	c 39	N79-22537 *	#
NASA-CASE-LAR-10319-1	c 14	N73-32322 *	#	NASA-CASE-LAR-11069-1	c 35	N75-12272 *	#	NASA-CASE-LAR-12045-1	c 34	N77-24423 *	#
NASA-CASE-LAR-10320-1	c 09	N72-23172 *	#	NASA-CASE-LAR-11071-1	c 35	N75-19611 *	#	NASA-CASE-LAR-12046-1	c 25	N78-15210 *	#
NASA-CASE-LAR-10323-1	c 12	N71-17573 *	#	NASA-CASE-LAR-11074-1	c 51	N75-13502 *	#	NASA-CASE-LAR-12052-1	c 18	N81-29152 *	#
NASA-CASE-LAR-10337-1	c 24	N75-30260 *	#	NASA-CASE-LAR-11110-1	c 34	N75-26282 *	#	NASA-CASE-LAR-12054-1	c 27	N79-33316 *	#
NASA-CASE-LAR-10348-1	c 11	N73-12264 *	#	NASA-CASE-LAR-11112-1	c 32	N76-15330 *	#	NASA-CASE-LAR-12054-2	c 27	N81-14078 *	#
NASA-CASE-LAR-10365-1	c 05	N72-27102 *	#	NASA-CASE-LAR-11138	c 12	N71-20436 *	#	NASA-CASE-LAR-12065-1	c 24	N81-14000 *	#
NASA-CASE-LAR-10372	c 09	N71-18599 *	#	NASA-CASE-LAR-11139-1	c 35	N74-32878 *	#	NASA-CASE-LAR-12065-2	c 24	N81-33235 *	#
NASA-CASE-LAR-10373-1	c 18	N71-26155 *	#	NASA-CASE-LAR-11141-1	c 07	N74-32418 *	#	NASA-CASE-LAR-12077-1	c 31	N81-25259 *	#
NASA-CASE-LAR-10385-2	c 70	N74-13436 *	#	NASA-CASE-LAR-11144-1	c 25	N75-26043 *	#	NASA-CASE-LAR-12095-1	c 31	N81-25258 *	#
NASA-CASE-LAR-10385-3	c 74	N78-15879 *	#	NASA-CASE-LAR-11155-1	c 35	N74-15091 *	#	NASA-CASE-LAR-12099-1	c 27	N80-16158 *	#
NASA-CASE-LAR-10403	c 21	N71-11766 *	#	NASA-CASE-LAR-11173-1	c 35	N75-19614 *	#	NASA-CASE-LAR-12106-1	c 71	N78-14867 *	#
NASA-CASE-LAR-10409-1	c 31	N74-21059 *	#	NASA-CASE-LAR-11201-1	c 35	N78-24515 *	#	NASA-CASE-LAR-12147-1	c 31	N79-11246 *	#
NASA-CASE-LAR-10416-1	c 24	N74-30001 *	#	NASA-CASE-LAR-11207-1	c 35	N75-19613 *	#	NASA-CASE-LAR-12148-1	c 44	N82-24640 *	#
NASA-CASE-LAR-10423-1	c 23	N82-29358 *	#	NASA-CASE-LAR-11208-1	c 44	N78-32539 *	#	NASA-CASE-LAR-12149-2	c 09	N79-31228 *	#
NASA-CASE-LAR-10426-1	c 09	N74-19528 *	#	NASA-CASE-LAR-11211-1	c 37	N75-12326 *	#	NASA-CASE-LAR-12175-1	c 05	N82-28279 *	#
NASA-CASE-LAR-10439-1	c 33	N73-27796 *	#	NASA-CASE-LAR-11213-1	c 35	N75-15014 *	#	NASA-CASE-LAR-12176-1	c 36	N80-16321 *	#
NASA-CASE-LAR-10440-1	c 14	N73-32323 *	#	NASA-CASE-LAR-11224-1	c 37	N76-18456 *	#	NASA-CASE-LAR-12177-1	c 36	N81-24422 *	#
NASA-CASE-LAR-10450-1	c 37	N74-27905 *	#	NASA-CASE-LAR-11237-1	c 35	N75-19612 *	#	NASA-CASE-LAR-12178-1	c 74	N80-21138 *	#
NASA-CASE-LAR-10463-1	c 14	N73-32327 *	#	NASA-CASE-LAR-11252-1	c 05	N75-25914 *	#	NASA-CASE-LAR-12181-1	c 27	N78-17205 *	#
NASA-CASE-LAR-10489-1	c 31	N74-18124 *	#	NASA-CASE-LAR-11263-1	c 35	N75-33369 *	#	NASA-CASE-LAR-12183-1	c 36	N79-18307 *	#
NASA-CASE-LAR-10489-2	c 31	N74-32920 *	#	NASA-CASE-LAR-11310-1	c 07	N77-28118 *	#	NASA-CASE-LAR-12195-1	c 31	N81-27324 *	#
NASA-CASE-LAR-10496-1	c 14	N72-22437 *	#	NASA-CASE-LAR-11326-1	c 35	N75-33368 *	#	NASA-CASE-LAR-12196-1	c 33	N81-26358 *	#
NASA-CASE-LAR-10503-1	c 09	N72-21248 *	#	NASA-CASE-LAR-11341-1	c 36	N75-19655 *	#	NASA-CASE-LAR-12205-1	c 44	N80-20810 *	#
NASA-CASE-LAR-10507-1	c 11	N72-25284 *	#	NASA-CASE-LAR-11352-1	c 33	N75-26245 *	#	NASA-CASE-LAR-12215-1	c 08	N79-23097 *	#
NASA-CASE-LAR-10511-1	c 09	N72-29172 *	#	NASA-CASE-LAR-11							

NASA-CASE-LAR-12264-1	c 15	N78-32168 *	#	NASA-CASE-LAR-12931-1	c 27	N84-22747 *	#	NASA-CASE-LAR-13555-1	c 23	N86-32526 *	#
NASA-CASE-LAR-12268-1	c 08	N81-24106 *	#	NASA-CASE-LAR-12931-2	c 27	N86-21675 *	#	NASA-CASE-LAR-13560-1	c 35	N86-32701 *	#
NASA-CASE-LAR-12269-1	c 35	N80-18358 *	#	NASA-CASE-LAR-12950-1	c 09	N84-34448 *	#	NASA-CASE-LAR-13562-1	c 24	N87-18613 *	#
NASA-CASE-LAR-12275-1	c 35	N79-18296 *	#	NASA-CASE-LAR-12958-1	c 44	N84-23019 *	#				
NASA-CASE-LAR-12285-1	c 35	N80-28687 *	#	NASA-CASE-LAR-12966-1	c 35	N85-30282 *	#	NASA-CASE-LEW-10106-1	c 28	N71-26642 *	#
NASA-CASE-LAR-12304-1	c 35	N80-20559 *	#	NASA-CASE-LAR-12967-1	c 35	N84-22932 *	#	NASA-CASE-LEW-10155-1	c 09	N71-29035 *	#
NASA-CASE-LAR-12308-1	c 35	N81-29407 *	#	NASA-CASE-LAR-12968-1	c 60	N86-21154 *	#	NASA-CASE-LEW-10199-1	c 27	N74-23125 *	#
NASA-CASE-LAR-12315-1	c 37	N82-24490 *	#	NASA-CASE-LAR-12971-1	c 47	N84-28292 *	#	NASA-CASE-LEW-10210-1	c 28	N71-26781 *	#
NASA-CASE-LAR-12320-1	c 54	N81-27806 *	#	NASA-CASE-LAR-12979-1	c 05	N85-21147 *	#	NASA-CASE-LEW-10219-1	c 18	N71-28729 *	#
NASA-CASE-LAR-12321-1	c 35	N82-24470 *	#	NASA-CASE-LAR-12980-1	c 27	N84-22749 *	#	NASA-CASE-LEW-10233	c 10	N71-27126 *	#
NASA-CASE-LAR-12326-1	c 02	N81-14968 *	#	NASA-CASE-LAR-12984-1	c 06	N84-20522 *	#	NASA-CASE-LEW-10250-1	c 22	N71-28759 *	#
NASA-CASE-LAR-12328-1	c 36	N82-32712 *	#	NASA-CASE-LAR-12995-1	c 35	N84-22933 *	#	NASA-CASE-LEW-10278-1	c 15	N71-28582 *	#
NASA-CASE-LAR-12344-1	c 43	N80-18498 *	#	NASA-CASE-LAR-13006-1	c 17	N87-18683 *	#	NASA-CASE-LEW-10281-1	c 14	N72-17327 *	#
NASA-CASE-LAR-12361-1	c 37	N83-19091 *	#	NASA-CASE-LAR-13009-1	c 37	N85-29285 *	#	NASA-CASE-LEW-10286-1	c 28	N71-28915 *	#
NASA-CASE-LAR-12363-1	c 35	N82-31659 *	#	NASA-CASE-LAR-13014-1	c 09	N85-21178 *	#	NASA-CASE-LEW-10326-3	c 37	N74-10474 *	#
NASA-CASE-LAR-12363-2	c 33	N83-24763 *	#	NASA-CASE-LAR-13019-1	c 07	N85-35194 *	#	NASA-CASE-LEW-10327	c 17	N71-33408 *	#
NASA-CASE-LAR-12372-1	c 37	N82-18601 *	#	NASA-CASE-LAR-13028-1	c 52	N85-30618 *	#	NASA-CASE-LEW-10330-1	c 09	N72-27226 *	#
NASA-CASE-LAR-12375-1	c 32	N79-24203 *	#	NASA-CASE-LAR-13040-1	c 37	N85-29286 *	#	NASA-CASE-LEW-10345-1	c 10	N71-25899 *	#
NASA-CASE-LAR-12393-1	c 34	N83-34221 *	#	NASA-CASE-LAR-13053-1	c 43	N83-29783 *	#	NASA-CASE-LEW-10359-2	c 33	N73-25952 *	#
NASA-CASE-LAR-12396-1	c 02	N84-28732 *	#	NASA-CASE-LAR-13065-1	c 35	N85-20295 *	#	NASA-CASE-LEW-10359	c 33	N72-25911 *	#
NASA-CASE-LAR-12406-1	c 05	N81-26114 *	#	NASA-CASE-LAR-13066-1	c 27	N86-20564 *	#	NASA-CASE-LEW-10364-1	c 09	N71-13522 *	#
NASA-CASE-LAR-12412-1	c 08	N82-24205 *	#	NASA-CASE-LAR-13076-1	c 08	N85-35200 *	#	NASA-CASE-LEW-10374-1	c 28	N73-13773 *	#
NASA-CASE-LAR-12441-1	c 09	N82-23254 *	#	NASA-CASE-LAR-13081-1	c 37	N86-32737 *	#	NASA-CASE-LEW-10387	c 09	N72-22201 *	#
NASA-CASE-LAR-12458-1	c 44	N83-21503 *	#	NASA-CASE-LAR-13098-1	c 31	N86-19479 *	#	NASA-CASE-LEW-10393-1	c 17	N71-15468 *	#
NASA-CASE-LAR-12465-1	c 33	N82-26572 *	#	NASA-CASE-LAR-13100-1	c 37	N86-24993 *	#	NASA-CASE-LEW-10424-2-2	c 18	N72-25539 *	#
NASA-CASE-LAR-12468-1	c 08	N82-32373 *	#	NASA-CASE-LAR-13113-1	c 31	N86-24867 *	#	NASA-CASE-LEW-10433-1	c 09	N72-22197 *	#
NASA-CASE-LAR-12469-1	c 35	N83-21311 *	#	NASA-CASE-LAR-13117-1	c 37	N86-25789 *	#	NASA-CASE-LEW-10436-1	c 17	N73-32415 *	#
NASA-CASE-LAR-12471-1	c 52	N82-29862 *	#	NASA-CASE-LAR-13118-2	c 27	N87-16907 *	#	NASA-CASE-LEW-10450-1	c 15	N73-25448 *	#
NASA-CASE-LAR-12474-1	c 35	N82-26628 *	#	NASA-CASE-LAR-13134-2	c 07	N87-16828 *	#	NASA-CASE-LEW-10489-1	c 15	N72-25447 *	#
NASA-CASE-LAR-12482-1	c 37	N82-32732 *	#	NASA-CASE-LAR-13135-1	c 27	N86-19456 *	#	NASA-CASE-LEW-10518-1	c 24	N72-33681 *	#
NASA-CASE-LAR-12495-1	c 44	N83-28573 *	#	NASA-CASE-LAR-13150-1	c 24	N85-28975 *	#	NASA-CASE-LEW-10518-3	c 25	N78-27226 *	#
NASA-CASE-LAR-12513-1	c 44	N82-32841 *	#	NASA-CASE-LAR-13153-1	c 71	N86-21276 *	#	NASA-CASE-LEW-10533-1	c 15	N73-28515 *	#
NASA-CASE-LAR-12518-1	c 06	N86-27280 *	#	NASA-CASE-LAR-13155-1	c 05	N86-19310 *	#	NASA-CASE-LEW-10533-2	c 37	N74-11300 *	#
NASA-CASE-LAR-12520-1	c 51	N81-28698 *	#	NASA-CASE-LAR-13169-1	c 37	N86-25791 *	#	NASA-CASE-LEW-10689-1	c 28	N71-26173 *	#
NASA-CASE-LAR-12531-1	c 35	N83-29651 *	#	NASA-CASE-LAR-13173-1	c 05	N87-14314 *	#	NASA-CASE-LEW-10698-1	c 37	N74-21063 *	#
NASA-CASE-LAR-12532-1	c 09	N82-11088 *	#	NASA-CASE-LAR-13178-1	c 27	N86-20565 *	#	NASA-CASE-LEW-10770-1	c 28	N72-22770 *	#
NASA-CASE-LAR-12541-1	c 05	N84-22551 *	#	NASA-CASE-LAR-13181-1	c 31	N85-29083 *	#	NASA-CASE-LEW-10794-1	c 06	N72-17093 *	#
NASA-CASE-LAR-12552-1	c 35	N82-11431 *	#	NASA-CASE-LAR-13198-1	c 37	N85-29287 *	#	NASA-CASE-LEW-10805-1	c 15	N73-13465 *	#
NASA-CASE-LAR-12562-1	c 08	N81-26152 *	#	NASA-CASE-LAR-13202-1	c 33	N86-32626 *	#	NASA-CASE-LEW-10805-2	c 37	N74-13179 *	#
NASA-CASE-LAR-12588-1	c 34	N85-21568 *	#	NASA-CASE-LAR-13212-1	c 27	N87-10206 *	#	NASA-CASE-LEW-10805-3	c 26	N74-10521 *	#
NASA-CASE-LAR-12592-1	c 36	N82-13415 *	#	NASA-CASE-LAR-13215-1	c 02	N87-14282 *	#	NASA-CASE-LEW-10814-1	c 28	N70-35422 *	#
NASA-CASE-LAR-12595-1	c 33	N82-26571 *	#	NASA-CASE-LAR-13220-1	c 34	N86-12547 *	#	NASA-CASE-LEW-10835-1	c 28	N72-22771 *	#
NASA-CASE-LAR-12602-1	c 39	N83-32081 *	#	NASA-CASE-LAR-13226-1	c 27	N85-34282 *	#	NASA-CASE-LEW-10856-1	c 15	N72-22490 *	#
NASA-CASE-LAR-12615-1	c 05	N84-12154 *	#	NASA-CASE-LAR-13230-1	c 24	N84-34571 *	#	NASA-CASE-LEW-10874-1	c 17	N72-22535 *	#
NASA-CASE-LAR-12620-1	c 24	N82-32417 *	#	NASA-CASE-LAR-13233-1	c 05	N84-33400 *	#	NASA-CASE-LEW-10906-1	c 25	N74-30502 *	#
NASA-CASE-LAR-12624-1	c 01	N83-35992 *	#	NASA-CASE-LAR-13237-1	c 35	N86-24960 *	#	NASA-CASE-LEW-10920-1	c 17	N73-24569 *	#
NASA-CASE-LAR-12625-1	c 02	N83-19715 *	#	NASA-CASE-LAR-13243-1	c 35	N85-34375 *	#	NASA-CASE-LEW-10950-1	c 33	N74-27683 *	#
NASA-CASE-LAR-12630-1	c 06	N84-27733 *	#	NASA-CASE-LAR-13250-1	c 37	N86-27630 *	#	NASA-CASE-LEW-10965-1	c 15	N72-25452 *	#
NASA-CASE-LAR-12633-1	c 33	N82-24416 *	#	NASA-CASE-LAR-13254-1CU	c 35	N86-29174 *	#	NASA-CASE-LEW-10981-1	c 35	N74-21018 *	#
NASA-CASE-LAR-12638-1	c 04	N84-14132 *	#	NASA-CASE-LAR-13255-1	c 02	N87-16793 *	#	NASA-CASE-LEW-11005-1	c 09	N72-21243 *	#
NASA-CASE-LAR-12640-1	c 27	N82-11206 *	#	NASA-CASE-LAR-13256-1	c 36	N86-29204 *	#	NASA-CASE-LEW-11015	c 26	N73-32571 *	#
NASA-CASE-LAR-12642-1	c 27	N81-29229 *	#	NASA-CASE-LAR-13257-1	c 25	N84-32447 *	#	NASA-CASE-LEW-11026-1	c 15	N73-33383 *	#
NASA-CASE-LAR-12644-1	c 37	N84-28084 *	#	NASA-CASE-LAR-13259-1	c 37	N86-20800 *	#	NASA-CASE-LEW-11058-1	c 20	N74-13502 *	#
NASA-CASE-LAR-12650-1	c 52	N84-28388 *	#	NASA-CASE-LAR-13262-1	c 23	N85-28973 *	#	NASA-CASE-LEW-11065-2	c 44	N76-14600 *	#
NASA-CASE-LAR-12650-2	c 52	N84-28389 *	#	NASA-CASE-LAR-13268-1	c 35	N85-29216 *	#	NASA-CASE-LEW-11069-1	c 44	N74-14784 *	#
NASA-CASE-LAR-12654-1	c 33	N83-36357 *	#	NASA-CASE-LAR-13268-1	c 35	N87-14669 *	#	NASA-CASE-LEW-11072-1	c 14	N73-24472 *	#
NASA-CASE-LAR-12659-1	c 33	N82-26570 *	#	NASA-CASE-LAR-13270-1	c 27	N84-32532 *	#	NASA-CASE-LEW-11072-2	c 35	N76-15434 *	#
NASA-CASE-LAR-12686-1	c 35	N84-14491 *	#	NASA-CASE-LAR-13286-1	c 02	N85-28922 *	#	NASA-CASE-LEW-11076-1	c 37	N74-21061 *	#
NASA-CASE-LAR-12705-1	c 25	N82-26396 *	#	NASA-CASE-LAR-13292-1	c 27	N86-24841 *	#	NASA-CASE-LEW-11076-2	c 37	N74-32921 *	#
NASA-CASE-LAR-12706-1	c 35	N84-12444 *	#	NASA-CASE-LAR-13294-1	c 35	N86-32696 *	#	NASA-CASE-LEW-11076-3	c 37	N75-30562 *	#
NASA-CASE-LAR-12709-1	c 35	N82-28604 *	#	NASA-CASE-LAR-13300-1CU	c 35	N86-32700 *	#	NASA-CASE-LEW-11076-4	c 37	N76-15461 *	#
NASA-CASE-LAR-12719-1	c 44	N83-34449 *	#	NASA-CASE-LAR-13306-1	c 82	N86-25292 *	#	NASA-CASE-LEW-11087-1	c 15	N73-30458 *	#
NASA-CASE-LAR-12720-1	c 44	N83-21504 *	#	NASA-CASE-LAR-13310-1	c 32	N85-21441 *	#	NASA-CASE-LEW-11087-2	c 37	N74-15128 *	#
NASA-CASE-LAR-12723-1	c 27	N85-20123 *	#	NASA-CASE-LAR-13310-1	c 32	N87-14559 *	#	NASA-CASE-LEW-11087-3	c 37	N74-21064 *	#
NASA-CASE-LAR-12723-2	c 27	N84-22746 *	#	NASA-CASE-LAR-13316-1	c 27	N86-27450 *	#	NASA-CASE-LEW-11101-1	c 31	N73-32750 *	#
NASA-CASE-LAR-12728-1	c 35	N83-32026 *	#	NASA-CASE-LAR-13316-2	c 27	N87-14515 *	#	NASA-CASE-LEW-11118-1	c 20	N74-32919 *	#
NASA-CASE-LAR-12729-1	c 37	N82-26676 *	#	NASA-CASE-LAR-13318-1	c 27	N87-14516 *	#	NASA-CASE-LEW-11118-2	c 20	N76-14191 *	#
NASA-CASE-LAR-12738-2	c 37	N85-30335 *	#	NASA-CASE-LAR-13351-1	c 27	N86-31727 *	#	NASA-CASE-LEW-11152-1	c 15	N73-32359 *	#
NASA-CASE-LAR-12743-1	c 35	N84-28019 *	#	NASA-CASE-LAR-13353-1	c 27	N86-29039 *	#	NASA-CASE-LEW-11158-1	c 37	N77-28486 *	#
NASA-CASE-LAR-12750-1	c 02	N81-19016 *	#	NASA-CASE-LAR-13354-1	c 27	N86-20566 *	#	NASA-CASE-LEW-11159-1	c 14	N73-28488 *	#
NASA-CASE-LAR-12751-1	c 15	N84-16231 *	#	NASA-CASE-LAR-13384-1	c 27	N86-20561 *	#	NASA-CASE-LEW-11162-1	c 33	N74-12913 *	#
NASA-CASE-LAR-12772-1	c 33	N83-16626 *	#	NASA-CASE-LAR-13391-1	c 74	N86-33137 *	#	NASA-CASE-LEW-11169-1	c 37	N76-23570 *	#
NASA-CASE-LAR-12775-1	c 27	N83-28240 *	#	NASA-CASE-LAR-13393-1	c 54	N86-21147 *	#	NASA-CASE-LEW-11179-1	c 27	N76-16229 *	#
NASA-CASE-LAR-12775-2	c 27	N85-21349 *	#	NASA-CASE-LAR-13403-1	c 03	N86-24673 *	#	NASA-CASE-LEW-11180-1	c 25	N73-25760 *	#
NASA-CASE-LAR-12785-1	c 37	N84-16561 *	#	NASA-CASE-LAR-13407-1	c 33	N86-24909 *	#	NASA-CASE-LEW-11187-1	c 28	N73-19793 *	#
NASA-CASE-LAR-12786-1	c 37	N84-28085 *	#	NASA-CASE-LAR-13411-1SB	c 18	N87-15259 *	#	NASA-CASE-LEW-11188-1	c 02	N74-20646 *	#
NASA-CASE-LAR-12787-2	c 08	N85-19985 *	#	NASA-CASE-LAR-13435-1	c 37	N87-15464 *	#	NASA-CASE-LEW-11192-1	c 09	N73-13208 *	#
NASA-CASE-LAR-12801-1	c 37	N82-20544 *	#	NASA-CASE-LAR-13444-1CU	c 27	N86-19462 *	#	NASA-CASE-LEW-11227-1	c 73	N75-30876 *	#
NASA-CASE-LAR-12807-1	c 24	N84-11214 *	#	NASA-CASE-LAR-13447-1	c 27	N86-26435 *	#	NASA-CASE-LEW-11262-1	c 27	N74-13270 *	#
NASA-CASE-LAR-12838-1	c 27	N83-34040 *	#	NASA-CASE-LAR-13448-1	c 27	N86-24840 *	#	NASA-CASE-LEW-11267-1	c 17	N73-32414 *	#
NASA-CASE-LAR-12843-1	c 02	N84-11136 *	#	NASA-CASE-LAR-13450-1	c 27	N86-25478 *	#	NASA-CASE-LEW-11274-1	c 37	N75-21631 *	#
NASA-CASE-LAR-12847-1	c 33	N83-16633 *	#	NASA-CASE-LAR-13452-1	c 27	N86-25477 *	#	NASA-CASE-LEW-11286-1	c 07	N74-27490 *	#
NASA-CASE-LAR-12858-1	c 27	N83-34041 *	#	NASA-CASE-LAR-13470-1	c 03	N86-26296 *	#	NASA-CASE-LEW-11325-1	c 06	N73-27980 *	#
NASA-CASE-LAR-12858-2	c 27	N85-20124 *	#	NASA-CASE-LAR-13474-1SB	c 26	N86-24814 *	#	NASA-CASE-LEW-11326-1	c 23	N73-30665 *	#
NASA-CASE-LAR-12862-1	c 27	N84-27886 *	#	NASA-CASE-LAR-13476-1CU	c 76	N87-19115 *	#	NASA-CASE-LEW-11358	c 03	N71-26084 *	#
NASA-CASE-LAR-12864-1	c 37	N85-30336 *	#	NASA-CASE-LAR-13489-1	c 18	N86-31630 *	#	NASA-CASE-LEW-11359-2	c 03	N72-20034 *	#
NASA-CASE-LAR-12868-1	c 37	N85-21651 *	#	NASA-CASE-LAR-13490-1	c 18	N87-14413 *	#	NASA-CASE-LEW-11359	c 03	N71-28579 *	#
NASA-CASE-LAR-12870-1	c 36	N84-16542 *	#	NASA-CASE-LAR-13512-1	c 35	N87-14675 *	#	NASA-CASE-LEW-11387-1	c 37	N74-18128 *	#
NASA-CASE-LAR-12871-1	c 35	N85-29218 *	#	NASA-CASE-LAR-13522-1	c 09	N86-31594 *					

REPORT NUMBER INDEX

NASA-CASE-MFS-11279

NASA-CASE-LEW-11549-1	c 44	N77-19571 *	#	NASA-CASE-LEW-12508-1	c 34	N78-17335 *	#	NASA-CASE-LEW-13343	c 26	N83-31795 *	#
NASA-CASE-LEW-11569-1	c 07	N74-15453 *	#	NASA-CASE-LEW-12508-3	c 34	N83-29625 *	#	NASA-CASE-LEW-13349-1	c 26	N84-22734 *	#
NASA-CASE-LEW-11573-1	c 06	N77-28265 *	#	NASA-CASE-LEW-12513-1	c 25	N79-22235 *	#	NASA-CASE-LEW-1335901	c 27	N83-31855 *	#
NASA-CASE-LEW-11581-1	c 54	N75-13531 *	#	NASA-CASE-LEW-12527-1	c 37	N77-32500 *	#	NASA-CASE-LEW-13400-1	c 44	N82-31764 *	#
NASA-CASE-LEW-11583-1	c 35	N79-17192 *	#	NASA-CASE-LEW-12541-1	c 44	N78-25529 *	#	NASA-CASE-LEW-13401-1	c 44	N82-29709 *	#
NASA-CASE-LEW-11593-1	c 20	N76-14190 *	#	NASA-CASE-LEW-12542-2	c 26	N79-22271 *	#	NASA-CASE-LEW-13401-2	c 44	N83-32177 *	#
NASA-CASE-LEW-11617-1	c 33	N74-10195 *	#	NASA-CASE-LEW-12542-3	c 26	N80-32484 *	#	NASA-CASE-LEW-13414-1	c 44	N85-20530 *	#
NASA-CASE-LEW-11632-2	c 35	N75-13213 *	#	NASA-CASE-LEW-12550-1	c 24	N77-19170 *	#	NASA-CASE-LEW-13426-1	c 25	N84-16276 *	#
NASA-CASE-LEW-11646-1	c 20	N74-31269 *	#	NASA-CASE-LEW-12552-1	c 44	N78-25527 *	#	NASA-CASE-LEW-13429-1	c 33	N83-31952 *	#
NASA-CASE-LEW-11669-1	c 05	N73-27062 *	#	NASA-CASE-LEW-12552-2	c 44	N79-11472 *	#	NASA-CASE-LEW-13450-1	c 31	N83-35177 *	#
NASA-CASE-LEW-11672-1	c 37	N74-27904 *	#	NASA-CASE-LEW-12554-1	c 34	N78-18355 *	#	NASA-CASE-LEW-13495-1	c 33	N84-33663 *	#
NASA-CASE-LEW-11676-1	c 37	N76-22541 *	#	NASA-CASE-LEW-12569-1	c 37	N79-10418 *	#	NASA-CASE-LEW-13504-1	c 25	N83-13188 *	#
NASA-CASE-LEW-11694-1	c 20	N75-18310 *	#	NASA-CASE-LEW-12582-1	c 76	N83-34796 *	#	NASA-CASE-LEW-13506-1	c 37	N85-33490 *	#
NASA-CASE-LEW-11694-2	c 37	N76-14461 *	#	NASA-CASE-LEW-12586-1	c 44	N80-14472 *	#	NASA-CASE-LEW-13524-1	c 07	N84-33410 *	#
NASA-CASE-LEW-11696-1	c 37	N75-13261 *	#	NASA-CASE-LEW-12587-1	c 44	N77-31601 *	#	NASA-CASE-LEW-13526-1	c 36	N84-22944 *	#
NASA-CASE-LEW-11696-2	c 26	N75-19408 *	#	NASA-CASE-LEW-12590-1	c 37	N84-22958 *	#	NASA-CASE-LEW-13556-1	c 44	N81-27615 *	#
NASA-CASE-LEW-11726-1	c 26	N73-26752 *	#	NASA-CASE-LEW-12594-2	c 07	N81-19116 *	#	NASA-CASE-LEW-13562-2	c 07	N85-35195 *	#
NASA-CASE-LEW-11855-1	c 07	N78-25090 *	#	NASA-CASE-LEW-12608-1	c 07	N77-27116 *	#	NASA-CASE-LEW-13570-1	c 33	N84-16452 *	#
NASA-CASE-LEW-11860-1	c 37	N76-18458 *	#	NASA-CASE-LEW-12619-1	c 24	N77-19171 *	#	NASA-CASE-LEW-13598-1	c 35	N84-22930 *	#
NASA-CASE-LEW-11866-1	c 72	N76-15860 *	#	NASA-CASE-LEW-12649-1	c 44	N78-25530 *	#	NASA-CASE-LEW-13609-1	c 25	N83-17628 *	#
NASA-CASE-LEW-11873-1	c 37	N79-22475 *	#	NASA-CASE-LEW-12658-1	c 71	N79-14871 *	#	NASA-CASE-LEW-13620-1	c 44	N83-13579 *	#
NASA-CASE-LEW-11876-1	c 20	N76-21276 *	#	NASA-CASE-LEW-12661-1	c 35	N79-14345 *	#	NASA-CASE-LEW-13622-1	c 07	N84-22559 *	#
NASA-CASE-LEW-11877-1	c 34	N78-27357 *	#	NASA-CASE-LEW-12668-1	c 52	N78-14773 *	#	NASA-CASE-LEW-13639-1	c 26	N84-33555 *	#
NASA-CASE-LEW-11881-1	c 33	N77-17354 *	#	NASA-CASE-LEW-12718-1	c 34	N78-25351 *	#	NASA-CASE-LEW-13639-2	c 26	N84-27855 *	#
NASA-CASE-LEW-11890-1	c 05	N79-24976 *	#	NASA-CASE-LEW-12723-1	c 52	N80-18690 *	#	NASA-CASE-LEW-13653-1	c 44	N84-28205 *	#
NASA-CASE-LEW-11915-1	c 35	N76-14431 *	#	NASA-CASE-LEW-12760-1	c 07	N77-17059 *	#	NASA-CASE-LEW-13654-1	c 07	N84-22560 *	#
NASA-CASE-LEW-11925-1	c 37	N75-31446 *	#	NASA-CASE-LEW-12775-1	c 44	N79-11468 *	#	NASA-CASE-LEW-13670-1	c 37	N86-19606 *	#
NASA-CASE-LEW-11930-1	c 24	N76-22309 *	#	NASA-CASE-LEW-12780-1	c 20	N79-20179 *	#	NASA-CASE-LEW-13717-1	c 37	N85-30333 *	#
NASA-CASE-LEW-11930-3	c 24	N80-33482 *	#	NASA-CASE-LEW-12785-1	c 37	N78-24545 *	#	NASA-CASE-LEW-13736-1	c 33	N84-27974 *	#
NASA-CASE-LEW-11930-4	c 24	N79-17916 *	#	NASA-CASE-LEW-12791-1	c 33	N78-32341 *	#	NASA-CASE-LEW-13758-1	c 24	N84-27829 *	#
NASA-CASE-LEW-11938-1	c 33	N76-15373 *	#	NASA-CASE-LEW-12793-1	c 37	N79-11403 *	#	NASA-CASE-LEW-13770-1	c 27	N84-27885 *	#
NASA-CASE-LEW-11949-1	c 37	N76-29588 *	#	NASA-CASE-LEW-12806-2	c 44	N81-12542 *	#	NASA-CASE-LEW-13770-2	c 25	N85-28982 *	#
NASA-CASE-LEW-11978-1	c 33	N77-26385 *	#	NASA-CASE-LEW-12819-1	c 44	N79-11467 *	#	NASA-CASE-LEW-13770-3	c 27	N85-21350 *	#
NASA-CASE-LEW-11981-1	c 31	N78-17237 *	#	NASA-CASE-LEW-12819-2	c 44	N79-18444 *	#	NASA-CASE-LEW-13770-4	c 27	N85-21351 *	#
NASA-CASE-LEW-11981-2	c 34	N79-20336 *	#	NASA-CASE-LEW-12830-1	c 07	N77-23106 *	#	NASA-CASE-LEW-13770-5	c 27	N85-21352 *	#
NASA-CASE-LEW-12013-1	c 33	N79-10339 *	#	NASA-CASE-LEW-12876-2	c 27	N83-29392 *	#	NASA-CASE-LEW-13770-6	c 25	N85-30039 *	#
NASA-CASE-LEW-12039-1	c 44	N78-14625 *	#	NASA-CASE-LEW-12892-1	c 44	N83-14692 *	#	NASA-CASE-LEW-13773-2	c 33	N86-20671 *	#
NASA-CASE-LEW-12048-1	c 20	N77-20162 *	#	NASA-CASE-LEW-12905-1	c 26	N78-18183 *	#	NASA-CASE-LEW-13822-1	c 44	N86-25874 *	#
NASA-CASE-LEW-12050-1	c 35	N77-32454 *	#	NASA-CASE-LEW-12906-1	c 26	N77-32279 *	#	NASA-CASE-LEW-13827-1	c 44	N85-21768 *	#
NASA-CASE-LEW-12051-1	c 52	N75-33640 *	#	NASA-CASE-LEW-12907-2	c 07	N81-19115 *	#	NASA-CASE-LEW-13828-1	c 24	N85-30027 *	#
NASA-CASE-LEW-12053-1	c 27	N78-15276 *	#	NASA-CASE-LEW-12916-1	c 37	N78-17384 *	#	NASA-CASE-LEW-13833-1	c 33	N85-21492 *	#
NASA-CASE-LEW-12053-2	c 27	N79-28307 *	#	NASA-CASE-LEW-12918-1	c 44	N78-18067 *	#	NASA-CASE-LEW-13834-1	c 26	N87-14482 *	#
NASA-CASE-LEW-12078-1	c 35	N75-30503 *	#	NASA-CASE-LEW-12919-1	c 24	N81-24521 *	#	NASA-CASE-LEW-13837-1	c 24	N84-22695 *	#
NASA-CASE-LEW-12081-1	c 28	N78-24365 *	#	NASA-CASE-LEW-12919-2	c 70	N83-10117 *	#	NASA-CASE-LEW-13837-2	c 24	N85-21267 *	#
NASA-CASE-LEW-12081-2	c 28	N80-20402 *	#	NASA-CASE-LEW-12939-2	c 27	N84-28565 *	#	NASA-CASE-LEW-13864-1	c 27	N86-19457 *	#
NASA-CASE-LEW-12081-3	c 28	N81-14103 *	#	NASA-CASE-LEW-12939-3	c 27	N81-19296 *	#	NASA-CASE-LEW-13881-1	c 20	N85-21256 *	#
NASA-CASE-LEW-12082-1	c 20	N77-10148 *	#	NASA-CASE-LEW-12938-1	c 07	N82-32366 *	#	NASA-CASE-LEW-13914-1	c 37	N85-33489 *	#
NASA-CASE-LEW-12083-1	c 37	N78-13436 *	#	NASA-CASE-LEW-12940-1	c 72	N80-33186 *	#	NASA-CASE-LEW-13922-1	c 33	N86-20672 *	#
NASA-CASE-LEW-12094-1	c 76	N76-25049 *	#	NASA-CASE-LEW-12941-1	c 26	N83-10170 *	#	NASA-CASE-LEW-13923-1	c 26	N85-35267 *	#
NASA-CASE-LEW-12095-1	c 26	N78-18182 *	#	NASA-CASE-LEW-12950-1	c 34	N82-11399 *	#	NASA-CASE-LEW-13934-1	c 35	N83-35338 *	#
NASA-CASE-LEW-12118-1	c 24	N77-27188 *	#	NASA-CASE-LEW-12950-2	c 34	N85-29179 *	#	NASA-CASE-LEW-13981-2	c 33	N86-21742 *	#
NASA-CASE-LEW-12119-1	c 37	N80-28711 *	#	NASA-CASE-LEW-12955-1	c 52	N80-14684 *	#	NASA-CASE-LEW-14028-1	c 44	N86-19721 *	#
NASA-CASE-LEW-12119-2	c 37	N81-26447 *	#	NASA-CASE-LEW-12971-1	c 07	N80-18039 *	#	NASA-CASE-LEW-14035-1	c 07	N84-24577 *	#
NASA-CASE-LEW-12131-1	c 37	N79-18318 *	#	NASA-CASE-LEW-12972-1	c 44	N79-25481 *	#	NASA-CASE-LEW-14037-1	c 20	N87-16875 *	#
NASA-CASE-LEW-12131-2	c 37	N80-26658 *	#	NASA-CASE-LEW-12982-1	c 37	N81-19455 *	#	NASA-CASE-LEW-14039-1	c 34	N85-33433 *	#
NASA-CASE-LEW-12131-3	c 37	N82-19540 *	#	NASA-CASE-LEW-12989-1	c 37	N82-12442 *	#	NASA-CASE-LEW-14057-1	c 24	N85-35233 *	#
NASA-CASE-LEW-12137-1	c 25	N78-10224 *	#	NASA-CASE-LEW-12990-1	c 07	N81-29129 *	#	NASA-CASE-LEW-14072-1	c 27	N86-19458 *	#
NASA-CASE-LEW-12159-1	c 44	N78-19599 *	#	NASA-CASE-LEW-12991-1	c 37	N81-24442 *	#	NASA-CASE-LEW-14072-2	c 27	N86-32569 *	#
NASA-CASE-LEW-12164-1	c 36	N77-32478 *	#	NASA-CASE-LEW-12995-1	c 37	N84-33808 *	#	NASA-CASE-LEW-14072-3	c 27	N86-26434 *	#
NASA-CASE-LEW-12174-2	c 35	N79-14346 *	#	NASA-CASE-LEW-13027-1	c 27	N80-24437 *	#	NASA-CASE-LEW-14077-1	c 44	N85-34441 *	#
NASA-CASE-LEW-12185-1	c 44	N78-25528 *	#	NASA-CASE-LEW-13028-1	c 27	N82-33521 *	#	NASA-CASE-LEW-14080-1	c 31	N85-20153 *	#
NASA-CASE-LEW-12217-1	c 43	N78-14452 *	#	NASA-CASE-LEW-13050-1	c 07	N79-14095 *	#	NASA-CASE-LEW-14104-2	c 26	N86-32556 *	#
NASA-CASE-LEW-12220-1	c 44	N77-14581 *	#	NASA-CASE-LEW-13088-1	c 26	N81-25188 *	#	NASA-CASE-LEW-14108-1	c 33	N85-29149 *	#
NASA-CASE-LEW-12232-1	c 07	N79-10057 *	#	NASA-CASE-LEW-13101-2	c 23	N81-29160 *	#	NASA-CASE-LEW-14127-1	c 33	N86-20680 *	#
NASA-CASE-LEW-12236-2	c 44	N79-14528 *	#	NASA-CASE-LEW-13102-1	c 33	N85-29144 *	#	NASA-CASE-LEW-14130-1	c 31	N86-32567 *	#
NASA-CASE-LEW-12245-1	c 26	N77-20201 *	#	NASA-CASE-LEW-13103-1	c 27	N80-32516 *	#	NASA-CASE-LEW-14134-1	c 26	N87-10192 *	#
NASA-CASE-LEW-12252-1	c 34	N79-13288 *	#	NASA-CASE-LEW-13107-1	c 52	N83-21785 *	#	NASA-CASE-LEW-14170-1	c 37	N86-25790 *	#
NASA-CASE-LEW-12253-1	c 74	N83-19596 *	#	NASA-CASE-LEW-13107-2	c 52	N84-23095 *	#	NASA-CASE-LEW-14177-1	c 44	N86-32875 *	#
NASA-CASE-LEW-12258-1	c 52	N77-28716 *	#	NASA-CASE-LEW-13120-1	c 27	N82-28440 *	#	NASA-CASE-LEW-14196-1	c 24	N87-10179 *	#
NASA-CASE-LEW-12270-1	c 26	N77-32280 *	#	NASA-CASE-LEW-13131-1	c 44	N83-10494 *	#	NASA-CASE-LEW-14212-1	c 37	N86-32740 *	#
NASA-CASE-LEW-12274-1	c 37	N80-31790 *	#	NASA-CASE-LEW-13132-1	c 27	N83-29388 *	#	NASA-CASE-LEW-14262-1	c 26	N86-26414 *	#
NASA-CASE-LEW-12296-1	c 33	N82-26568 *	#	NASA-CASE-LEW-13135-2	c 27	N81-24257 *	#	NASA-CASE-LEW-14297-1	c 35	N87-15452 *	#
NASA-CASE-LEW-12312-1	c 07	N77-32148 *	#	NASA-CASE-LEW-13142-1	c 07	N83-36029 *	#	NASA-CASE-LEW-14338-1	c 20	N87-10174 *	#
NASA-CASE-LEW-12313-1	c 37	N78-10468 *	#	NASA-CASE-LEW-13142-2	c 07	N86-20389 *	#	NASA-CASE-LEW-14345-1	c 23	N87-14432 *	#
NASA-CASE-LEW-12317-1	c 07	N78-17055 *	#	NASA-CASE-LEW-13148-1	c 33	N80-20487 *	#	NASA-CASE-LEW-14346-1	c 23	N87-14433 *	#
NASA-CASE-LEW-12321-1	c 37	N78-10467 *	#	NASA-CASE-LEW-13148-2	c 44	N81-29524 *	#	NASA-CASE-LEW-14392-1	c 27	N87-14517 *	#
NASA-CASE-LEW-12358-1	c 44	N79-17313 *	#	NASA-CASE-LEW-13150-1	c 44	N79-26474 *	#	NASA-CASE-LEW-14586-1	c 07	N83-31603 *	#
NASA-CASE-LEW-12358-2	c 25	N82-21268 *	#	NASA-CASE-LEW-13169-1	c 26	N82-29415 *	#	NASA-CASE-LEW-23169-2	c 26	N81-16209 *	#
NASA-CASE-LEW-12364-1	c 44	N77-22606 *	#	NASA-CASE-LEW-13169-2	c 26	N82-30371 *	#				
NASA-CASE-LEW-12378-1	c 07	N79-14097 *	#	NASA-CASE-LEW-13171-1	c 44	N82-29708 *	#	NASA-CASE-MFG-25989-1	c 20	N85-20008 *	#
NASA-CASE-LEW-12389-2	c 07	N78-18066 *	#	NASA-CASE-LEW-13171-2	c 44	N83-32176 *	#				
NASA-CASE-LEW-12389-3	c 07	N79-14096 *	#	NASA-CASE-LEW-13174-1	c 34	N83-27144 *	#	NASA-CASE-MFS-06074	c 15	N71-20393 *	#
NASA-CASE-LEW-12390-1	c 07	N78-17056 *	#	NASA-CASE-LEW-13199-1	c 07	N82-26293 *	#	NASA-CASE-MFS-07369	c 15	N71-20443 *	#
NASA-CASE-LEW-12419-1	c 07	N77-14025 *	#	NASA-CASE-LEW-13201-1							

NASA-CASE-MFS-11492	c 06	N73-30102 *	#	NASA-CASE-MFS-20596	c 14	N72-17324 *	#	NASA-CASE-MFS-22022-1	c 37	N76-15460 *	#
NASA-CASE-MFS-11497	c 28	N71-16224 *	#	NASA-CASE-MFS-20607-1	c 37	N76-19436 *	#	NASA-CASE-MFS-22039-1	c 09	N75-12968 *	#
NASA-CASE-MFS-11537	c 14	N71-20442 *	#	NASA-CASE-MFS-20619	c 28	N72-11708 *	#	NASA-CASE-MFS-22040-1	c 35	N74-26946 *	#
NASA-CASE-MFS-12750	c 27	N71-16223 *	#	NASA-CASE-MFS-20620	c 11	N72-27262 *	#	NASA-CASE-MFS-22060-1	c 35	N75-29380 *	#
NASA-CASE-MFS-12805	c 15	N71-17805 *	#	NASA-CASE-MFS-20642	c 14	N72-21407 *	#	NASA-CASE-MFS-22073-1	c 33	N75-13139 *	#
NASA-CASE-MFS-12806	c 14	N71-17588 *	#	NASA-CASE-MFS-20645-1	c 37	N74-23070 *	#	NASA-CASE-MFS-22088-1	c 33	N75-15874 *	#
NASA-CASE-MFS-12827	c 14	N71-17656 *	#	NASA-CASE-MFS-20658-1	c 14	N73-30386 *	#	NASA-CASE-MFS-22102-1	c 54	N74-20725 *	#
NASA-CASE-MFS-12915	c 11	N71-17600 *	#	NASA-CASE-MFS-20673	c 14	N73-20476 *	#	NASA-CASE-MFS-22129-1	c 33	N75-18477 *	#
NASA-CASE-MFS-13046	c 07	N71-19433 *	#	NASA-CASE-MFS-20675	c 26	N73-26751 *	#	NASA-CASE-MFS-22133-1	c 33	N74-26977 *	#
NASA-CASE-MFS-13130	c 10	N72-17173 *	#	NASA-CASE-MFS-20698-2	c 15	N73-19457 *	#	NASA-CASE-MFS-22145-1	c 75	N75-13625 *	#
NASA-CASE-MFS-13532	c 18	N72-17532 *	#	NASA-CASE-MFS-20698	c 15	N72-20446 *	#	NASA-CASE-MFS-22145-2	c 75	N76-17951 *	#
NASA-CASE-MFS-13686	c 15	N71-18132 *	#	NASA-CASE-MFS-20710	c 11	N72-23215 *	#	NASA-CASE-MFS-22189-1	c 35	N75-19615 *	#
NASA-CASE-MFS-13687-2	c 09	N72-22198 *	#	NASA-CASE-MFS-20730-1	c 39	N74-13131 *	#	NASA-CASE-MFS-22208-1	c 33	N75-26244 *	#
NASA-CASE-MFS-13687	c 09	N71-28691 *	#	NASA-CASE-MFS-20757	c 09	N72-28225 *	#	NASA-CASE-MFS-22234-1	c 32	N79-10264 *	#
NASA-CASE-MFS-13929	c 15	N71-27091 *	#	NASA-CASE-MFS-20760	c 14	N72-33377 *	#	NASA-CASE-MFS-22283-1	c 37	N75-33395 *	#
NASA-CASE-MFS-13994-1	c 06	N71-11240 *	#	NASA-CASE-MFS-20761-1	c 44	N74-27519 *	#	NASA-CASE-MFS-22287-1	c 75	N76-14931 *	#
NASA-CASE-MFS-13994-2	c 06	N72-25148 *	#	NASA-CASE-MFS-20777-1	c 38	N74-15130 *	#	NASA-CASE-MFS-22323-1	c 37	N76-14463 *	#
NASA-CASE-MFS-14017	c 14	N71-26627 *	#	NASA-CASE-MFS-20774	c 14	N73-19420 *	#	NASA-CASE-MFS-22324-1	c 27	N75-27160 *	#
NASA-CASE-MFS-14023	c 33	N71-25351 *	#	NASA-CASE-MFS-20775-1	c 31	N75-12161 *	#	NASA-CASE-MFS-22342-1	c 33	N75-30428 *	#
NASA-CASE-MFS-14114-2	c 09	N71-24807 *	#	NASA-CASE-MFS-20809	c 23	N73-13660 *	#	NASA-CASE-MFS-22343-1	c 33	N74-34638 *	#
NASA-CASE-MFS-14114	c 33	N71-27862 *	#	NASA-CASE-MFS-20823-1	c 16	N73-30476 *	#	NASA-CASE-MFS-22355-1	c 23	N76-15268 *	#
NASA-CASE-MFS-14216	c 14	N73-13418 *	#	NASA-CASE-MFS-20829	c 12	N72-21310 *	#	NASA-CASE-MFS-22356-1	c 23	N75-30256 *	#
NASA-CASE-MFS-14253	c 33	N71-24858 *	#	NASA-CASE-MFS-20830	c 15	N71-30028 *	#	NASA-CASE-MFS-22409-2	c 74	N78-15880 *	#
NASA-CASE-MFS-14259	c 15	N71-19213 *	#	NASA-CASE-MFS-20831	c 28	N71-29153 *	#	NASA-CASE-MFS-22411-1	c 37	N74-21058 *	#
NASA-CASE-MFS-14322	c 08	N71-18692 *	#	NASA-CASE-MFS-20855-1	c 15	N77-10112 *	#	NASA-CASE-MFS-22458-1	c 44	N77-10635 *	#
NASA-CASE-MFS-14405	c 15	N72-28495 *	#	NASA-CASE-MFS-20855	c 15	N73-27405 *	#	NASA-CASE-MFS-22517-1	c 35	N76-18402 *	#
NASA-CASE-MFS-14610	c 09	N71-28886 *	#	NASA-CASE-MFS-20861-1	c 18	N73-32437 *	#	NASA-CASE-MFS-22537-1	c 35	N75-27328 *	#
NASA-CASE-MFS-14671	c 05	N71-12341 *	#	NASA-CASE-MFS-20863	c 31	N73-26876 *	#	NASA-CASE-MFS-22560-1	c 33	N77-14335 *	#
NASA-CASE-MFS-14685	c 31	N71-15689 *	#	NASA-CASE-MFS-20890	c 14	N72-22439 *	#	NASA-CASE-MFS-22562-1	c 44	N76-14595 *	#
NASA-CASE-MFS-14710	c 09	N72-22195 *	#	NASA-CASE-MFS-20916	c 14	N73-25460 *	#	NASA-CASE-MFS-22597	c 36	N78-17366 *	#
NASA-CASE-MFS-14711	c 15	N71-26185 *	#	NASA-CASE-MFS-20922-1	c 18	N74-22136 *	#	NASA-CASE-MFS-22631-1	c 66	N76-19888 *	#
NASA-CASE-MFS-14741	c 09	N70-20737 *	#	NASA-CASE-MFS-20922	c 31	N72-20840 *	#	NASA-CASE-MFS-22636-1	c 37	N76-22540 *	#
NASA-CASE-MFS-14772	c 15	N71-17692 *	#	NASA-CASE-MFS-20932-1	c 35	N75-19616 *	#	NASA-CASE-MFS-22649-1	c 37	N75-25186 *	#
NASA-CASE-MFS-14971	c 15	N71-24984 *	#	NASA-CASE-MFS-20935	c 09	N71-34212 *	#	NASA-CASE-MFS-22671-1	c 35	N75-21882 *	#
NASA-CASE-MFS-15063	c 14	N72-25412 *	#	NASA-CASE-MFS-20944	c 15	N73-13466 *	#	NASA-CASE-MFS-22671-2	c 35	N77-17426 *	#
NASA-CASE-MFS-15162	c 14	N72-32452 *	#	NASA-CASE-MFS-20979-2	c 06	N73-32030 *	#	NASA-CASE-MFS-22707-1	c 37	N76-15457 *	#
NASA-CASE-MFS-15218-1	c 37	N77-19457 *	#	NASA-CASE-MFS-20979	c 06	N72-25151 *	#	NASA-CASE-MFS-22729-1	c 32	N76-21366 *	#
NASA-CASE-MFS-15429-1	c 18	N84-22609 *	#	NASA-CASE-MFS-20994-1	c 35	N75-12271 *	#	NASA-CASE-MFS-22734-1	c 18	N75-19329 *	#
NASA-CASE-MFS-15670-1	c 33	N82-33634 *	#	NASA-CASE-MFS-21010-1	c 05	N73-30078 *	#	NASA-CASE-MFS-22743-1	c 44	N76-22657 *	#
NASA-CASE-MFS-16570-1	c 05	N73-32013 *	#	NASA-CASE-MFS-21040-1	c 06	N73-30098 *	#	NASA-CASE-MFS-22744-1	c 44	N76-24696 *	#
NASA-CASE-MFS-16609-3	c 03	N76-32140 *	#	NASA-CASE-MFS-21042	c 07	N72-25171 *	#	NASA-CASE-MFS-22749-1	c 44	N76-14601 *	#
NASA-CASE-MFS-18100	c 15	N72-11390 *	#	NASA-CASE-MFS-21045-1	c 35	N75-15932 *	#	NASA-CASE-MFS-22758-1	c 70	N75-26789 *	#
NASA-CASE-MFS-18495	c 15	N72-11385 *	#	NASA-CASE-MFS-21046-1	c 14	N73-27377 *	#	NASA-CASE-MFS-22787-1	c 15	N77-10113 *	#
NASA-CASE-MFS-19193-1	c 37	N75-19686 *	#	NASA-CASE-MFS-21049-1	c 52	N74-27864 *	#	NASA-CASE-MFS-22905-1	c 19	N76-22284 *	#
NASA-CASE-MFS-19194-1	c 37	N76-14460 *	#	NASA-CASE-MFS-21077-1	c 24	N75-28135 *	#	NASA-CASE-MFS-22906-1	c 75	N78-27913 *	#
NASA-CASE-MFS-19220-1	c 20	N76-22296 *	#	NASA-CASE-MFS-21087-1	c 35	N74-17153 *	#	NASA-CASE-MFS-22907-1	c 26	N76-18257 *	#
NASA-CASE-MFS-19259-1	c 36	N78-14380 *	#	NASA-CASE-MFS-21108-1	c 34	N74-27861 *	#	NASA-CASE-MFS-22926-1	c 24	N77-27187 *	#
NASA-CASE-MFS-19287-1	c 34	N77-30399 *	#	NASA-CASE-MFS-21109-1	c 05	N73-27941 *	#	NASA-CASE-MFS-22938-1	c 34	N76-18374 *	#
NASA-CASE-MFS-19796-1	c 37	N86-32736 *	#	NASA-CASE-MFS-21115-1	c 54	N74-12779 *	#	NASA-CASE-MFS-22991-1	c 34	N77-10463 *	#
NASA-CASE-MFS-20011	c 18	N72-22566 *	#	NASA-CASE-MFS-21136-1	c 35	N74-18323 *	#	NASA-CASE-MFS-23001-1	c 76	N77-32919 *	#
NASA-CASE-MFS-20044	c 14	N71-28993 *	#	NASA-CASE-MFS-21163-1	c 54	N74-17853 *	#	NASA-CASE-MFS-23008-1	c 35	N78-18390 *	#
NASA-CASE-MFS-20068	c 07	N71-27191 *	#	NASA-CASE-MFS-21214-1	c 09	N73-30181 *	#	NASA-CASE-MFS-23047-1	c 37	N76-18454 *	#
NASA-CASE-MFS-20074	c 16	N71-15565 *	#	NASA-CASE-MFS-21233-1	c 38	N74-15395 *	#	NASA-CASE-MFS-23051-1	c 37	N79-10422 *	#
NASA-CASE-MFS-20075	c 09	N71-26133 *	#	NASA-CASE-MFS-21244-1	c 36	N75-15028 *	#	NASA-CASE-MFS-23052-2	c 74	N79-13855 *	#
NASA-CASE-MFS-20095	c 24	N72-11595 *	#	NASA-CASE-MFS-21309-1	c 37	N74-18125 *	#	NASA-CASE-MFS-23059-1	c 44	N76-27664 *	#
NASA-CASE-MFS-20096	c 14	N71-30026 *	#	NASA-CASE-MFS-21311-1	c 20	N76-21275 *	#	NASA-CASE-MFS-23062-1	c 37	N77-12402 *	#
NASA-CASE-MFS-20125	c 16	N72-13437 *	#	NASA-CASE-MFS-21362	c 11	N73-20267 *	#	NASA-CASE-MFS-23074-1	c 54	N77-21844 *	#
NASA-CASE-MFS-20130	c 28	N71-27585 *	#	NASA-CASE-MFS-21364-1	c 37	N74-18126 *	#	NASA-CASE-MFS-23088-1	c 37	N77-23483 *	#
NASA-CASE-MFS-20180	c 16	N72-12440 *	#	NASA-CASE-MFS-21372-1	c 74	N74-27866 *	#	NASA-CASE-MFS-23099-1	c 09	N76-23273 *	#
NASA-CASE-MFS-20207-1	c 09	N73-32107 *	#	NASA-CASE-MFS-21374-1	c 33	N74-12951 *	#	NASA-CASE-MFS-23114-1	c 38	N78-32447 *	#
NASA-CASE-MFS-20240	c 14	N71-26788 *	#	NASA-CASE-MFS-21394-1	c 34	N74-27744 *	#	NASA-CASE-MFS-23118-1	c 35	N77-31465 *	#
NASA-CASE-MFS-20242	c 14	N73-19421 *	#	NASA-CASE-MFS-21395-1	c 25	N74-26948 *	#	NASA-CASE-MFS-23167-1	c 44	N76-31667 *	#
NASA-CASE-MFS-20243	c 23	N73-13662 *	#	NASA-CASE-MFS-21415-1	c 52	N74-20728 *	#	NASA-CASE-MFS-23175-1	c 35	N77-30436 *	#
NASA-CASE-MFS-20249	c 15	N72-11386 *	#	NASA-CASE-MFS-21424-1	c 34	N74-27730 *	#	NASA-CASE-MFS-23178-1	c 35	N77-10493 *	#
NASA-CASE-MFS-20261	c 14	N71-27005 *	#	NASA-CASE-MFS-21433	c 09	N73-20232 *	#	NASA-CASE-MFS-23181-1	c 33	N77-17351 *	#
NASA-CASE-MFS-20284-1	c 52	N74-12778 *	#	NASA-CASE-MFS-21441-1	c 14	N73-30392 *	#	NASA-CASE-MFS-23194-1	c 35	N78-17357 *	#
NASA-CASE-MFS-20299	c 15	N72-11392 *	#	NASA-CASE-MFS-21455-1	c 35	N74-15146 *	#	NASA-CASE-MFS-23225-1	c 52	N77-14735 *	#
NASA-CASE-MFS-20317	c 15	N73-13463 *	#	NASA-CASE-MFS-21462-1	c 33	N74-14935 *	#	NASA-CASE-MFS-23250-1	c 35	N82-11432 *	#
NASA-CASE-MFS-20325	c 28	N71-27095 *	#	NASA-CASE-MFS-21465-1	c 10	N73-32145 *	#	NASA-CASE-MFS-23267-1	c 35	N77-20401 *	#
NASA-CASE-MFS-20332-2	c 05	N73-25125 *	#	NASA-CASE-MFS-21470-1	c 44	N74-19870 *	#	NASA-CASE-MFS-23270-1	c 44	N76-25531 *	#
NASA-CASE-MFS-20332	c 05	N72-20097 *	#	NASA-CASE-MFS-21481-1	c 37	N74-18127 *	#	NASA-CASE-MFS-23274-1	c 33	N78-13320 *	#
NASA-CASE-MFS-20333	c 09	N71-13486 *	#	NASA-CASE-MFS-21485-1	c 37	N74-25968 *	#	NASA-CASE-MFS-23280-1	c 33	N78-10376 *	#
NASA-CASE-MFS-20335-1	c 35	N74-10415 *	#	NASA-CASE-MFS-21488-1	c 14	N75-24794 *	#	NASA-CASE-MFS-23281-1	c 35	N77-22450 *	#
NASA-CASE-MFS-20355	c 33	N71-25353 *	#	NASA-CASE-MFS-21540-1	c 32	N74-19790 *	#	NASA-CASE-MFS-23284-1	c 37	N80-14397 *	#
NASA-CASE-MFS-20385	c 09	N71-24904 *	#	NASA-CASE-MFS-21556-1	c 35	N74-26945 *	#	NASA-CASE-MFS-23299-1	c 39	N77-28511 *	#
NASA-CASE-MFS-20386	c 21	N71-19212 *	#	NASA-CASE-MFS-21577-1	c 19	N74-29410 *	#	NASA-CASE-MFS-23303-1	c 32	N77-18307 *	#
NASA-CASE-MFS-20395	c 15	N71-24903 *	#	NASA-CASE-MFS-21606-1	c 37	N75-19685 *	#	NASA-CASE-MFS-23311-1	c 54	N78-17676 *	#
NASA-CASE-MFS-20400	c 31	N71-18611 *	#	NASA-CASE-MFS-21611-1	c 54	N75-12616 *	#	NASA-CASE-MFS-23312-1	c 33	N78-27326 *	#
NASA-CASE-MFS-20407	c 09	N73-19235 *	#	NASA-CASE-MFS-21616-1	c 33	N75-30429 *	#	NASA-CASE-MFS-23315-1	c 76	N78-24950 *	#
NASA-CASE-MFS-20408	c 18	N73-12604 *	#	NASA-CASE-MFS-21628-1	c 44	N75-32581 *	#	NASA-CASE-MFS-23345-1	c 27	N77-30237 *	#
NASA-CASE-MFS-20410	c 15	N71-19214 *	#	NASA-CASE-MFS-21628-2	c 44	N76-23675 *	#	NASA-CASE-MFS-23349-1	c 44	N79-23481 *	#
NASA-CASE-MFS-20413	c 15	N72-21463 *	#	NASA-CASE-MFS-21629	c 14	N72-22442 *	#	NASA-CASE-MFS-23362-1	c 47	N77-10753 *	#
NASA-CASE-MFS-20418	c 14	N73-24473 *	#	NASA-CASE-MFS-21660-1	c 35	N74-21017 *	#	NASA-CASE-MFS-23363-1	c 35	N78-32396 *	#
NASA-CASE-MFS-20423	c 15	N72-11388 *	#	NASA-CASE-MFS-21671-1	c 33	N74-22885 *	#	NASA-CASE-MFS-23405-1	c 26	N77-29260 *	#
NASA-CASE-MFS-20433	c 15	N72-28496 *	#	NASA-CASE-MFS-21672-1	c 74	N76-19935 *	#	NASA-CASE-MFS-23447-1	c 37	N79-11404 *	#
NASA-CASE-MFS-20434	c 11	N72-25288 *	#	NASA-CASE-MFS-21675-1	c 25	N74-33378 *	#	NASA-CASE-MFS-23460-1	c 12	N79-26075 *	#
NASA-CASE-MFS-20453	c 15	N71-29133 *	#	NASA-CASE-MFS-21680-1	c 18	N74-27397 *	#	NASA-CASE-MFS-23461-1	c 35	N79-10389 *	#
NASA-CASE-MFS-20482	c 15	N72-22492 *	#	NASA-CASE-MFS-21681-1	c 18	N74-27397 *	#	NASA-CASE-MFS-23506-1	c 24	N78-24290 *	#
NASA-CASE-MFS-20485	c 14	N72-11365 *	#	NASA-CASE-MFS-21698-1	c 33	N74-26732 *	#	NASA-CASE-MFS-23513-1	c 74	N79-11865 *	#
NASA-CASE-MFS-20486-2	c 27	N74-17283 *	#	NASA-CASE-MFS-21704-1	c 35	N75-25124 *	#	NASA-CASE-MFS-23515-1	c 44	N80-21828 *	#
NASA-CASE-MFS-20506-1	c 35	N75-12273 *	#	NASA-CASE-MFS-21728-1	c 35	N74-27865 *	#	NASA-CASE-MFS-23518-1	c 44	N79-11469 *	#
NASA-CASE-MFS-20509	c 11	N72-17183 *	#	NASA-CASE-MFS-21761-1	c 35	N75-15931 *	#	NASA-CASE-MFS-23518-3			

REPORT NUMBER INDEX

NASA-CASE-MSC-14435-1

NASA-CASE-MFS-23579-1	c 18	N79-11108 *	#	NASA-CASE-MFS-25868-1	c 33	N86-20670 *	#	NASA-CASE-MSC-12395	c 09	N72-25257 *	#
NASA-CASE-MFS-23620-1	c 37	N79-10421 *	#	NASA-CASE-MFS-25878-1	c 18	N84-27787 *	#	NASA-CASE-MSC-12396-1	c 03	N73-31988 *	#
NASA-CASE-MFS-23626-1	c 24	N80-26388 *	#	NASA-CASE-MFS-25905-2	c 31	N86-21718 *	#	NASA-CASE-MSC-12397-1	c 05	N72-25119 *	#
NASA-CASE-MFS-23642-1	c 20	N80-10278 *	#	NASA-CASE-MFS-25906-1	c 37	N86-20789 *	#	NASA-CASE-MSC-12398	c 05	N72-20098 *	#
NASA-CASE-MFS-23642-2	c 20	N78-27176 *	#	NASA-CASE-MFS-25907-1	c 37	N85-34401 *	#	NASA-CASE-MSC-12404-1	c 23	N73-13661 *	#
NASA-CASE-MFS-23646-1	c 37	N79-22474 *	#	NASA-CASE-MFS-25910-1	c 39	N86-20841 *	#	NASA-CASE-MSC-12408-1	c 46	N74-13011 *	#
NASA-CASE-MFS-23659-1	c 33	N79-17133 *	#	NASA-CASE-MFS-25942-1	c 74	N86-20124 *	#	NASA-CASE-MSC-12411-1	c 05	N72-20096 *	#
NASA-CASE-MFS-23674-1	c 24	N81-29163 *	#	NASA-CASE-MFS-25946-1	c 20	N86-26368 *	#	NASA-CASE-MSC-12423-1	c 91	N76-30131 *	#
NASA-CASE-MFS-23675-1	c 89	N79-10969 *	#	NASA-CASE-MFS-25949-1	c 37	N86-19603 *	#	NASA-CASE-MSC-12428-1	c 10	N73-25240 *	#
NASA-CASE-MFS-23696-1	c 54	N81-26718 *	#	NASA-CASE-MFS-25962-1	c 09	N84-32398 *	#	NASA-CASE-MSC-12433	c 31	N73-14854 *	#
NASA-CASE-MFS-23717-1	c 52	N81-25660 *	#	NASA-CASE-MFS-25963-1	c 35	N86-20750 *	#	NASA-CASE-MSC-12458-1	c 08	N73-32081 *	#
NASA-CASE-MFS-23720-1	c 43	N80-23711 *	#	NASA-CASE-MFS-25966-1	c 16	N86-26352 *	#	NASA-CASE-MSC-12462-1	c 32	N74-20809 *	#
NASA-CASE-MFS-23720-2	c 43	N80-14423 *	#	NASA-CASE-MFS-25981-1	c 35	N85-20299 *	#	NASA-CASE-MSC-12494-1	c 32	N74-20810 *	#
NASA-CASE-MFS-23720-3	c 43	N79-25443 *	#	NASA-CASE-MFS-25981-1	c 35	N87-14670 *	#	NASA-CASE-MSC-12506-1	c 32	N77-12239 *	#
NASA-CASE-MFS-23721-1	c 31	N79-28370 *	#	NASA-CASE-MFS-25989-1	c 20	N87-14420 *	#	NASA-CASE-MSC-12531-1	c 35	N75-30504 *	#
NASA-CASE-MFS-23725-1	c 43	N79-31706 *	#	NASA-CASE-MFS-26000-1	c 74	N87-14971 *	#	NASA-CASE-MSC-12549-1	c 37	N74-27903 *	#
NASA-CASE-MFS-23726-1	c 43	N79-26439 *	#	NASA-CASE-MFS-26002-1-CU	c 35	N86-26598 *	#	NASA-CASE-MSC-12559-1	c 18	N76-14186 *	#
NASA-CASE-MFS-23727-1	c 44	N80-14473 *	#	NASA-CASE-MFS-26009-1SB	c 54	N86-22214 *	#	NASA-CASE-MSC-12561-1	c 18	N76-17185 *	#
NASA-CASE-MFS-23775-1	c 44	N82-16474 *	#	NASA-CASE-MFS-26011-1SB	c 52	N85-20639 *	#	NASA-CASE-MSC-12568-1	c 24	N76-14204 *	#
NASA-CASE-MFS-23776-1	c 33	N82-28545 *	#	NASA-CASE-MFS-28001-1	c 37	N85-29289 *	#	NASA-CASE-MSC-12593-1	c 17	N76-21250 *	#
NASA-CASE-MFS-23777-1	c 37	N80-32716 *	#	NASA-CASE-MFS-28008-1	c 35	N85-20300 *	#	NASA-CASE-MSC-12607-1	c 32	N75-21485 *	#
NASA-CASE-MFS-23816-1	c 26	N80-23419 *	#	NASA-CASE-MFS-28013-1	c 89	N86-22459 *	#	NASA-CASE-MSC-12609-1	c 05	N73-32012 *	#
NASA-CASE-MFS-23825-1	c 51	N81-32829 *	#	NASA-CASE-MFS-28030-1	c 35	N86-25752 *	#	NASA-CASE-MSC-12611-1	c 12	N76-15189 *	#
NASA-CASE-MFS-23828-1	c 33	N82-26569 *	#	NASA-CASE-MFS-28044-1	c 31	N86-23750 *	#	NASA-CASE-MSC-12615-1	c 37	N76-19437 *	#
NASA-CASE-MFS-23830-1	c 44	N82-24639 *	#	NASA-CASE-MFS-28057-1	c 09	N85-28951 *	#	NASA-CASE-MSC-12617-1	c 35	N76-29552 *	#
NASA-CASE-MFS-23845-1	c 33	N81-17348 *	#	NASA-CASE-MFS-28057-1	c 09	N87-14355 *	#	NASA-CASE-MSC-12618-1	c 74	N78-17865 *	#
NASA-CASE-MFS-23846-1	c 37	N82-32731 *	#	NASA-CASE-MFS-28059-1	c 37	N86-32738 *	#	NASA-CASE-MSC-12619-2	c 27	N79-12221 *	#
NASA-CASE-MFS-23862-1	c 48	N80-18667 *	#	NASA-CASE-MFS-28061-1	c 76	N85-30932 *	#	NASA-CASE-MSC-12631-1	c 24	N77-28225 *	#
NASA-CASE-MFS-23883-1	c 51	N80-16715 *	#	NASA-CASE-MFS-28087-1	c 35	N86-23899 *	#	NASA-CASE-MSC-12631-3	c 27	N81-14077 *	#
NASA-CASE-MFS-23923-1	c 35	N81-19426 *	#	NASA-CASE-MFS-28118-1	c 39	N86-32770 *	#	NASA-CASE-MSC-12640-1	c 74	N73-31998 *	#
NASA-CASE-MFS-23981-1	c 07	N83-20944 *	#	NASA-CASE-MFS-28137-1	c 76	N87-19116 *	#	NASA-CASE-MSC-12662-1	c 33	N79-12331 *	#
NASA-CASE-MFS-23988-1	c 33	N81-27395 *	#	NASA-CASE-MFS-28139-1	c 29	N87-18679 *	#	NASA-CASE-MSC-12709-1	c 33	N77-24375 *	#
NASA-CASE-MFS-23999-1	c 44	N81-24520 *	#	NASA-CASE-MFS-28142-1	c 25	N87-18627 *	#	NASA-CASE-MSC-12731-1	c 37	N78-25426 *	#
NASA-CASE-MFS-24368-3	c 33	N81-22280 *	#	NASA-CASE-MFS-28144-1	c 76	N87-15004 *	#	NASA-CASE-MSC-12737-1	c 24	N79-25142 *	#
NASA-CASE-MFS-25000-1	c 25	N81-19242 *	#	NASA-CASE-MFS-28153-1	c 31	N86-32589 *	#	NASA-CASE-MSC-12743-1	c 32	N79-10263 *	#
NASA-CASE-MFS-25050-1	c 71	N81-15767 *	#	NASA-CASE-MFS-28161-1	c 37	N87-18817 *	#	NASA-CASE-MSC-12745-1	c 33	N81-27397 *	#
NASA-CASE-MFS-25134-1	c 31	N83-31895 *	#	NASA-CASE-MFS-29134-1	c 74	N87-17493 *	#	NASA-CASE-MSC-13047-1	c 31	N71-25434 *	#
NASA-CASE-MFS-25139-1	c 34	N82-13376 *	#	NASA-CASE-MFS-29207-1	c 74	N87-15786 *	#	NASA-CASE-MSC-13054	c 54	N78-17677 *	#
NASA-CASE-MFS-25181-1	c 27	N82-24340 *	#					NASA-CASE-MSC-13110-1	c 08	N72-22163 *	#
NASA-CASE-MFS-25208-1	c 33	N83-10345 *	#	NASA-CASE-MSC-10954-1	c 54	N78-18761 *	#	NASA-CASE-MSC-13112	c 03	N71-11057 *	#
NASA-CASE-MFS-25209-1	c 33	N83-35227 *	#	NASA-CASE-MSC-10959	c 15	N71-26243 *	#	NASA-CASE-MSC-13140	c 05	N72-11085 *	#
NASA-CASE-MFS-25211-2	c 33	N84-14423 *	#	NASA-CASE-MSC-10960-1	c 03	N71-24718 *	#	NASA-CASE-MSC-13201-1	c 07	N71-28429 *	#
NASA-CASE-MFS-25215-1	c 33	N83-31953 *	#	NASA-CASE-MSC-10966	c 14	N71-19568 *	#	NASA-CASE-MSC-13276-1	c 14	N71-27058 *	#
NASA-CASE-MFS-25242-1	c 35	N83-29650 *	#	NASA-CASE-MSC-11010	c 15	N71-19485 *	#	NASA-CASE-MSC-13281	c 31	N72-18859 *	#
NASA-CASE-MFS-25282-1	c 34	N83-19015 *	#	NASA-CASE-MSC-11072	c 54	N74-32546 *	#	NASA-CASE-MSC-13282-1	c 05	N71-24729 *	#
NASA-CASE-MFS-25287-1	c 44	N82-18686 *	#	NASA-CASE-MSC-11235	c 33	N78-17294 *	#	NASA-CASE-MSC-13332-1	c 14	N72-21408 *	#
NASA-CASE-MFS-25302-1	c 33	N83-28319 *	#	NASA-CASE-MSC-11242	c 35	N78-17358 *	#	NASA-CASE-MSC-13335-1	c 06	N72-31140 *	#
NASA-CASE-MFS-25302-2	c 33	N84-33660 *	#	NASA-CASE-MSC-11253	c 05	N71-12343 *	#	NASA-CASE-MSC-13397-1	c 21	N72-25595 *	#
NASA-CASE-MFS-25306-1	c 25	N83-13187 *	#	NASA-CASE-MSC-11277	c 09	N71-29008 *	#	NASA-CASE-MSC-13407-1	c 10	N72-20225 *	#
NASA-CASE-MFS-25312-1	c 74	N83-17305 *	#	NASA-CASE-MSC-11561-1	c 05	N73-32014 *	#	NASA-CASE-MSC-13436-1	c 05	N73-32015 *	#
NASA-CASE-MFS-25315-1	c 36	N83-29680 *	#	NASA-CASE-MSC-11817-1	c 15	N71-26611 *	#	NASA-CASE-MSC-13492-1	c 10	N71-28860 *	#
NASA-CASE-MFS-25319-1	c 60	N85-33701 *	#	NASA-CASE-MSC-11847-1	c 14	N72-11363 *	#	NASA-CASE-MSC-13512-1	c 15	N72-22485 *	#
NASA-CASE-MFS-25323-1	c 33	N84-22886 *	#	NASA-CASE-MSC-11849-1	c 15	N72-22488 *	#	NASA-CASE-MSC-13530-2	c 23	N75-14834 *	#
NASA-CASE-MFS-25323-1	c 33	N84-22886 *	#	NASA-CASE-MSC-12033-1	c 09	N71-15351 *	#	NASA-CASE-MSC-13540-1	c 05	N72-33096 *	#
NASA-CASE-MFS-25363-1	c 37	N82-12441 *	#	NASA-CASE-MSC-12049	c 31	N71-16080 *	#	NASA-CASE-MSC-13587-1	c 15	N73-30459 *	#
NASA-CASE-MFS-25403-1	c 18	N83-29303 *	#	NASA-CASE-MSC-12052-1	c 15	N71-24599 *	#	NASA-CASE-MSC-13601-2	c 54	N75-27759 *	#
NASA-CASE-MFS-25403-1	c 35	N84-22929 *	#	NASA-CASE-MSC-12084-1	c 12	N71-17569 *	#	NASA-CASE-MSC-13604-1	c 05	N73-13114 *	#
NASA-CASE-MFS-25426-1	c 25	N83-10126 *	#	NASA-CASE-MSC-12086-1	c 05	N71-12345 *	#	NASA-CASE-MSC-13609-1	c 05	N72-25122 *	#
NASA-CASE-MFS-25429-1	c 18	N86-20469 *	#	NASA-CASE-MSC-12101	c 09	N71-18720 *	#	NASA-CASE-MSC-13648	c 05	N72-27103 *	#
NASA-CASE-MFS-25430-1	c 33	N84-16453 *	#	NASA-CASE-MSC-12105-1	c 14	N72-21409 *	#	NASA-CASE-MSC-13746-1	c 10	N73-32143 *	#
NASA-CASE-MFS-25436-1	c 27	N83-36220 *	#	NASA-CASE-MSC-12109	c 18	N71-26285 *	#	NASA-CASE-MSC-13789-1	c 11	N73-32152 *	#
NASA-CASE-MFS-25477-1	c 33	N84-14424 *	#	NASA-CASE-MSC-12111-1	c 02	N71-11039 *	#	NASA-CASE-MSC-13802-2	c 35	N76-15431 *	#
NASA-CASE-MFS-25509-1	c 35	N83-24828 *	#	NASA-CASE-MSC-12116-1	c 15	N71-17648 *	#	NASA-CASE-MSC-13855-1	c 35	N74-17885 *	#
NASA-CASE-MFS-25510-1	c 37	N84-16560 *	#	NASA-CASE-MSC-12121-1	c 15	N71-27147 *	#	NASA-CASE-MSC-13907-1	c 10	N73-26230 *	#
NASA-CASE-MFS-25535-1	c 33	N81-12330 *	#	NASA-CASE-MSC-12135-1	c 09	N71-12526 *	#	NASA-CASE-MSC-13912-1	c 32	N74-30524 *	#
NASA-CASE-MFS-25535-2	c 33	N84-22885 *	#	NASA-CASE-MSC-12139-1	c 28	N71-14058 *	#	NASA-CASE-MSC-13917-1	c 05	N72-15098 *	#
NASA-CASE-MFS-25586-1	c 33	N82-11360 *	#	NASA-CASE-MSC-12143-1	c 33	N72-17947 *	#	NASA-CASE-MSC-13932-1	c 62	N74-14920 *	#
NASA-CASE-MFS-25607-1	c 33	N83-34190 *	#	NASA-CASE-MSC-12146-1	c 07	N72-17109 *	#	NASA-CASE-MSC-13972-1	c 52	N74-10975 *	#
NASA-CASE-MFS-25616-1	c 33	N84-16455 *	#	NASA-CASE-MSC-12165-1	c 07	N71-33696 *	#	NASA-CASE-MSC-13999-1	c 52	N74-26626 *	#
NASA-CASE-MFS-25631-1	c 34	N84-12406 *	#	NASA-CASE-MSC-12168-1	c 09	N71-18600 *	#	NASA-CASE-MSC-14053-1	c 60	N74-12888 *	#
NASA-CASE-MFS-25637-1	c 44	N85-21769 *	#	NASA-CASE-MSC-12178-1	c 09	N71-13518 *	#	NASA-CASE-MSC-14065-1	c 32	N74-26654 *	#
NASA-CASE-MFS-25641-1	c 72	N84-28575 *	#	NASA-CASE-MSC-12205-1	c 07	N71-27056 *	#	NASA-CASE-MSC-14066-1	c 33	N74-27705 *	#
NASA-CASE-MFS-256704-1	c 33	N84-22884 *	#	NASA-CASE-MSC-12206	c 05	N71-17599 *	#	NASA-CASE-MSC-14070-1	c 32	N74-32598 *	#
NASA-CASE-MFS-25678-1	c 37	N84-11497 *	#	NASA-CASE-MSC-12209	c 09	N71-24842 *	#	NASA-CASE-MSC-14081-1	c 35	N74-27860 *	#
NASA-CASE-MFS-25687-1	c 35	N84-22928 *	#	NASA-CASE-MSC-12233-1	c 07	N71-26181 *	#	NASA-CASE-MSC-14082-1	c 60	N76-23850 *	#
NASA-CASE-MFS-25707-1	c 35	N82-26631 *	#	NASA-CASE-MSC-12233-2	c 15	N72-25454 *	#	NASA-CASE-MSC-14096-1	c 74	N74-15095 *	#
NASA-CASE-MFS-25717-1	c 35	N84-33768 *	#	NASA-CASE-MSC-12239-1	c 32	N73-13921 *	#	NASA-CASE-MSC-14129-1	c 33	N75-18479 *	#
NASA-CASE-MFS-25721-1	c 25	N85-21280 *	#	NASA-CASE-MSC-12243-1	c 05	N71-24728 *	#	NASA-CASE-MSC-14131-1	c 33	N75-19515 *	#
NASA-CASE-MFS-25740-1	c 52	N84-11744 *	#	NASA-CASE-MSC-12259-1	c 07	N70-12616 *	#	NASA-CASE-MSC-14143-1	c 77	N75-20139 *	#
NASA-CASE-MFS-25750-1	c 32	N86-20647 *	#	NASA-CASE-MSC-12259-2	c 07	N72-33146 *	#	NASA-CASE-MSC-14180-1	c 52	N76-14757 *	#
NASA-CASE-MFS-25752-1	c 74	N86-21348 *	#	NASA-CASE-MSC-12279-1	c 15	N70-35679 *	#	NASA-CASE-MSC-14182-1	c 27	N76-14264 *	#
NASA-CASE-MFS-25754-1	c 35	N84-28018 *	#	NASA-CASE-MSC-12279	c 15	N72-17450 *	#	NASA-CASE-MSC-14187-1	c 35	N74-32879 *	#
NASA-CASE-MFS-25791-1	c 09	N84-27749 *	#	NASA-CASE-MSC-12280	c 27	N71-16348 *	#	NASA-CASE-MSC-14219-1	c 32	N74-27612 *	#
NASA-CASE-MFS-25807-2	c 37	N86-21850 *	#	NASA-CASE-MSC-12293-1	c 14	N72-27411 *	#	NASA-CASE-MSC-14240-1	c 33	N75-14957 *	#
NASA-CASE-MFS-25807	c 37	N83-20154 *	#	NASA-CASE-MSC-12297	c 14	N72-23457 *	#	NASA-CASE-MSC-14245-1	c 18	N75-27041 *	#
NASA-CASE-MFS-25825-1	c 31	N86-29055 *	#	NASA-CASE-MSC-12324-1	c 05	N72-22093 *	#	NASA-CASE-MSC-14270-1	c 27	N76-22377 *	#
NASA-CASE-MFS-25828-1	c 71	N84-28568 *	#	NASA-CASE-MSC-12327-1	c 35	N72-27368 *	#	NASA-CASE-MSC-14272-0	c 27	N76-23426 *	#
NASA-CASE-MFS-25833-1	c 35	N86-32698 *	#	NASA-CASE-MSC-12357	c 15	N73-12489 *	#	NASA-CASE-MSC-14273-1	c 34	N75-33342 *	#
NASA-CASE-MFS-25837-1	c 18	N85-29991 *	#	NASA-CASE-MSC-12363-1	c 14	N73-26431 *	#	NASA-CASE-MSC-14276-1	c 52	N77-14737 *	#
NASA-CASE-MFS-25842-2	c 37	N86-20788 *	#	NASA-CASE-MSC-1							

NASA-CASE-MSC-14472-1	c 43	N77-10584 *	#	NASA-CASE-MSC-18929-1	c 39	N83-20280 *	#	NASA-CASE-NPO-10169	c 10	N71-24844 *	#
NASA-CASE-MSC-14557-1	c 32	N76-16249 *	#	NASA-CASE-MSC-18934-3	c 24	N82-26387 *	#	NASA-CASE-NPO-10173	c 15	N71-24696 *	#
NASA-CASE-MSC-14558-1	c 32	N75-21486 *	#	NASA-CASE-MSC-18936-1	c 35	N83-29652 *	#	NASA-CASE-NPO-10174	c 14	N71-18465 *	#
NASA-CASE-MSC-14623-1	c 52	N77-28717 *	#	NASA-CASE-MSC-18969-1	c 18	N84-22605 *	#	NASA-CASE-NPO-10175	c 14	N71-18625 *	#
NASA-CASE-MSC-14632-1	c 54	N78-14784 *	#	NASA-CASE-MSC-19095-1	c 37	N75-19683 *	#	NASA-CASE-NPO-10185	c 10	N71-26339 *	#
NASA-CASE-MSC-14640-1	c 54	N76-14804 *	#	NASA-CASE-MSC-19372-1	c 39	N76-31562 *	#	NASA-CASE-NPO-10188	c 03	N71-20273 *	#
NASA-CASE-MSC-14649-1	c 33	N76-16331 *	#	NASA-CASE-MSC-19422-1	c 74	N77-10899 *	#	NASA-CASE-NPO-10189-1	c 33	N77-21314 *	#
NASA-CASE-MSC-14653-1	c 35	N77-19385 *	#	NASA-CASE-MSC-19514-1	c 37	N79-20377 *	#	NASA-CASE-NPO-10194	c 03	N71-20407 *	#
NASA-CASE-MSC-14683-1	c 74	N77-18893 *	#	NASA-CASE-MSC-19535-1	c 37	N77-32499 *	#	NASA-CASE-NPO-10198	c 09	N71-24806 *	#
NASA-CASE-MSC-14733-1	c 54	N76-24900 *	#	NASA-CASE-MSC-19536-1	c 37	N77-22482 *	#	NASA-CASE-NPO-10199	c 09	N72-17156 *	#
NASA-CASE-MSC-14735-1	c 54	N76-24900 *	#	NASA-CASE-MSC-19568-1	c 34	N78-25350 *	#	NASA-CASE-NPO-10201	c 08	N71-18694 *	#
NASA-CASE-MSC-14757-1	c 35	N78-10428 *	#	NASA-CASE-MSC-19666-1	c 37	N78-17383 *	#	NASA-CASE-NPO-10214	c 10	N71-26577 *	#
NASA-CASE-MSC-14771-1	c 54	N77-32722 *	#	NASA-CASE-MSC-19672-1	c 38	N79-14398 *	#	NASA-CASE-NPO-10230	c 09	N71-12520 *	#
NASA-CASE-MSC-14773-1	c 35	N78-12390 *	#	NASA-CASE-MSC-19693-1	c 26	N78-24333 *	#	NASA-CASE-NPO-10231	c 07	N71-26101 *	#
NASA-CASE-MSC-14805-1	c 54	N78-32720 *	#	NASA-CASE-MSC-19706-1	c 09	N78-31129 *	#	NASA-CASE-NPO-10233-1	c 74	N78-33913 *	#
NASA-CASE-MSC-14831-1	c 25	N78-10225 *	#	NASA-CASE-MSC-20036-1	c 76	N85-33826 *	#	NASA-CASE-NPO-10234	c 06	N72-17094 *	#
NASA-CASE-MSC-14836-1	c 52	N82-11770 *	#	NASA-CASE-MSC-20080-1	c 37	N85-30334 *	#	NASA-CASE-NPO-10242	c 09	N71-24803 *	#
NASA-CASE-MSC-14840-1	c 32	N77-24331 *	#	NASA-CASE-MSC-20112-1	c 37	N85-20338 *	#	NASA-CASE-NPO-10244	c 15	N72-26371 *	#
NASA-CASE-MSC-14903-1	c 27	N78-32256 *	#	NASA-CASE-MSC-20127-2	c 37	N85-34403 *	#	NASA-CASE-NPO-10250	c 23	N71-16212 *	#
NASA-CASE-MSC-14903-2	c 27	N80-10358 *	#	NASA-CASE-MSC-20148-1	c 37	N85-29284 *	#	NASA-CASE-NPO-10251	c 10	N71-27365 *	#
NASA-CASE-MSC-14903-3	c 27	N80-24438 *	#	NASA-CASE-MSC-20162-1	c 37	N87-17036 *	#	NASA-CASE-NPO-10271	c 17	N71-16393 *	#
NASA-CASE-MSC-14905-1	c 37	N77-28487 *	#	NASA-CASE-MSC-20181-1	c 33	N82-28549 *	#	NASA-CASE-NPO-10298	c 12	N71-17661 *	#
NASA-CASE-MSC-14916-1	c 33	N78-10375 *	#	NASA-CASE-MSC-20187-1	c 33	N85-20249 *	#	NASA-CASE-NPO-10300	c 14	N71-17662 *	#
NASA-CASE-MSC-14939-1	c 32	N79-11264 *	#	NASA-CASE-MSC-20202-1	c 54	N84-16803 *	#	NASA-CASE-NPO-10301	c 07	N72-11148 *	#
NASA-CASE-MSC-15158-1	c 14	N72-17325 *	#	NASA-CASE-MSC-20206-1	c 25	N86-27431 *	#	NASA-CASE-NPO-10302	c 10	N71-26142 *	#
NASA-CASE-MSC-15474-1	c 15	N71-26162 *	#	NASA-CASE-MSC-20250-1	c 35	N86-19581 *	#	NASA-CASE-NPO-10303	c 07	N72-22127 *	#
NASA-CASE-MSC-15567-1	c 33	N73-16918 *	#	NASA-CASE-MSC-20254-1	c 16	N84-22601 *	#	NASA-CASE-NPO-10309	c 15	N69-23190 *	#
NASA-CASE-MSC-15626-1	c 14	N72-25411 *	#	NASA-CASE-MSC-20258-1	c 60	N84-28492 *	#	NASA-CASE-NPO-10311	c 31	N71-15643 *	#
NASA-CASE-MSC-16000-1	c 37	N78-24544 *	#	NASA-CASE-MSC-20261-1	c 54	N84-28484 *	#	NASA-CASE-NPO-10316-1	c 37	N77-22479 *	#
NASA-CASE-MSC-16043-1	c 37	N79-11402 *	#	NASA-CASE-MSC-20261-2	c 54	N84-23113 *	#	NASA-CASE-NPO-10320	c 14	N71-17655 *	#
NASA-CASE-MSC-16074-1	c 27	N80-26446 *	#	NASA-CASE-MSC-20275-1	c 35	N85-21595 *	#	NASA-CASE-NPO-10331	c 09	N71-26701 *	#
NASA-CASE-MSC-16098-1	c 51	N79-10693 *	#	NASA-CASE-MSC-20304-1	c 37	N82-31690 *	#	NASA-CASE-NPO-10337	c 14	N71-15604 *	#
NASA-CASE-MSC-16170-2	c 32	N84-27952 *	#	NASA-CASE-MSC-20319-1	c 37	N85-21649 *	#	NASA-CASE-NPO-10342	c 10	N71-33407 *	#
NASA-CASE-MSC-16182-1	c 54	N80-10799 *	#	NASA-CASE-MSC-20418-1	c 74	N86-20126 *	#	NASA-CASE-NPO-10343	c 07	N71-27341 *	#
NASA-CASE-MSC-16217-1	c 31	N81-27323 *	#	NASA-CASE-MSC-20467-1	c 35	N87-14676 *	#	NASA-CASE-NPO-10344	c 10	N71-26544 *	#
NASA-CASE-MSC-16239-1	c 37	N81-32510 *	#	NASA-CASE-MSC-20475-1	c 37	N87-17037 *	#	NASA-CASE-NPO-10348	c 10	N71-12554 *	#
NASA-CASE-MSC-16253-1	c 32	N79-20297 *	#	NASA-CASE-MSC-20497-1	c 34	N85-29180 *	#	NASA-CASE-NPO-10351	c 08	N71-12503 *	#
NASA-CASE-MSC-16258-1	c 45	N79-12584 *	#	NASA-CASE-MSC-20543-1	c 18	N84-22610 *	#	NASA-CASE-NPO-10373	c 03	N71-18698 *	#
NASA-CASE-MSC-16260-1	c 51	N80-16714 *	#	NASA-CASE-MSC-20549-1	c 37	N86-19612 *	#	NASA-CASE-NPO-10388	c 07	N71-24622 *	#
NASA-CASE-MSC-16270-1	c 37	N78-27423 *	#	NASA-CASE-MSC-20622-1	c 25	N86-19413 *	#	NASA-CASE-NPO-10401	c 03	N72-20033 *	#
NASA-CASE-MSC-16370-1	c 35	N81-19427 *	#	NASA-CASE-MSC-20635-1	c 18	N87-14373 *	#	NASA-CASE-NPO-10404	c 03	N71-12255 *	#
NASA-CASE-MSC-16394-1	c 28	N81-24280 *	#	NASA-CASE-MSC-20653-1	c 35	N86-26595 *	#	NASA-CASE-NPO-10412	c 09	N71-28421 *	#
NASA-CASE-MSC-16433-1	c 52	N81-24711 *	#	NASA-CASE-MSC-20676-1	c 18	N86-24729 *	#	NASA-CASE-NPO-10416	c 12	N71-27332 *	#
NASA-CASE-MSC-16461-1	c 33	N79-11313 *	#	NASA-CASE-MSC-20761-1	c 37	N87-15465 *	#	NASA-CASE-NPO-10417	c 16	N71-33410 *	#
NASA-CASE-MSC-16462-1	c 32	N82-31583 *	#	NASA-CASE-MSC-20783-1	c 35	N86-20756 *	#	NASA-CASE-NPO-10424-1	c 27	N81-24258 *	#
NASA-CASE-MSC-16497-1	c 25	N82-12166 *	#	NASA-CASE-MSC-20797-1	c 37	N86-20806 *	#	NASA-CASE-NPO-10431	c 15	N71-29132 *	#
NASA-CASE-MSC-16697-1	c 33	N79-28415 *	#	NASA-CASE-MSC-20812-1	c 34	N86-27593 *	#	NASA-CASE-NPO-10440	c 15	N72-21466 *	#
NASA-CASE-MSC-16747-1	c 33	N81-17349 *	#	NASA-CASE-MSC-20821-1	c 17	N86-20466 *	#	NASA-CASE-NPO-10447	c 06	N70-12552 *	#
NASA-CASE-MSC-16777-1	c 51	N80-27067 *	#	NASA-CASE-MSC-20840-1	c 34	N87-18779 *	#	NASA-CASE-NPO-10467	c 23	N71-26654 *	#
NASA-CASE-MSC-16800-1	c 32	N81-14187 *	#	NASA-CASE-MSC-20841-1	c 34	N86-20721 *	#	NASA-CASE-NPO-10468	c 23	N71-33229 *	#
NASA-CASE-MSC-16841-1	c 34	N79-24285 *	#	NASA-CASE-MSC-20857-1	c 37	N87-17035 *	#	NASA-CASE-NPO-10539	c 07	N71-11285 *	#
NASA-CASE-MSC-16934-3	c 24	N84-16262 *	#	NASA-CASE-MSC-20865-1	c 32	N87-18692 *	#	NASA-CASE-NPO-10542	c 09	N72-27228 *	#
NASA-CASE-MSC-16938-1	c 37	N80-23653 *	#	NASA-CASE-MSC-20870-1	c 36	N86-24977 *	#	NASA-CASE-NPO-10548	c 16	N71-24831 *	#
NASA-CASE-MSC-16973-1	c 37	N81-14317 *	#	NASA-CASE-MSC-20906-1	c 18	N86-19344 *	#	NASA-CASE-NPO-10556	c 14	N71-27185 *	#
NASA-CASE-MSC-17832-1	c 33	N74-14956 *	#	NASA-CASE-MSC-20907-1	c 37	N87-18818 *	#	NASA-CASE-NPO-10557	c 27	N78-17214 *	#
NASA-CASE-MSC-18035-1	c 32	N81-15179 *	#	NASA-CASE-MSC-20910-1	c 37	N86-19613 *	#	NASA-CASE-NPO-10560	c 08	N72-22166 *	#
NASA-CASE-MSC-18106-1	c 33	N82-11357 *	#	NASA-CASE-MSC-20912-1	c 32	N86-24879 *	#	NASA-CASE-NPO-10567	c 08	N71-24633 *	#
NASA-CASE-MSC-18107-1	c 27	N81-25209 *	#	NASA-CASE-MSC-20921-1	c 18	N86-20471 *	#	NASA-CASE-NPO-10575	c 03	N72-25019 *	#
NASA-CASE-MSC-18134-1	c 37	N81-15363 *	#	NASA-CASE-MSC-20946-1	c 34	N86-32661 *	#	NASA-CASE-NPO-10591	c 03	N72-22041 *	#
NASA-CASE-MSC-18172-1	c 26	N80-19237 *	#	NASA-CASE-MSC-20964-1	c 60	N87-14863 *	#	NASA-CASE-NPO-10595	c 10	N71-25917 *	#
NASA-CASE-MSC-18179-1	c 20	N80-18097 *	#	NASA-CASE-MSC-20979-1	c 37	N86-19614 *	#	NASA-CASE-NPO-10596	c 06	N71-25929 *	#
NASA-CASE-MSC-18223-1	c 24	N82-29362 *	#	NASA-CASE-MSC-20985-1	c 18	N87-15260 *	#	NASA-CASE-NPO-10606	c 15	N72-25451 *	#
NASA-CASE-MSC-18223-2	c 54	N84-11758 *	#	NASA-CASE-MSC-21056-1	c 18	N87-18595 *	#	NASA-CASE-NPO-10607	c 09	N71-27232 *	#
NASA-CASE-MSC-18255-1	c 74	N80-33210 *	#	NASA-CASE-MSC-21061-1	c 44	N87-18921 *	#	NASA-CASE-NPO-10617-1	c 35	N74-22095 *	#
NASA-CASE-MSC-18334-1	c 32	N80-32604 *	#	NASA-CASE-MSC-21096-1	c 18	N87-18596 *	#	NASA-CASE-NPO-10619-1	c 35	N77-21393 *	#
NASA-CASE-MSC-18381-1	c 52	N81-28740 *	#	NASA-CASE-MSC-21177-1	c 18	N87-18597 *	#	NASA-CASE-NPO-10625	c 09	N71-26182 *	#
NASA-CASE-MSC-18382-1	c 27	N82-16238 *	#	NASA-CASE-MSC-21507-1	c 35	N85-29214 *	#	NASA-CASE-NPO-10629	c 08	N72-18184 *	#
NASA-CASE-MSC-18382-2	c 27	N84-14324 *	#	NASA-CASE-MSC-90153-2	c 05	N72-25120 *	#	NASA-CASE-NPO-10633	c 03	N72-28025 *	#
NASA-CASE-MSC-18407-1	c 33	N82-24427 *	#					NASA-CASE-NPO-10634	c 23	N72-25619 *	#
NASA-CASE-MSC-18417-1	c 74	N85-29750 *	#	NASA-CASE-NPO-08835-1	c 27	N78-33228 *	#	NASA-CASE-NPO-10636	c 08	N72-25210 *	#
NASA-CASE-MSC-18422-1	c 37	N82-16408 *	#	NASA-CASE-NPO-10003	c 10	N71-26415 *	#	NASA-CASE-NPO-10637	c 15	N72-12409 *	#
NASA-CASE-MSC-18430-1	c 37	N82-24491 *	#	NASA-CASE-NPO-10034	c 15	N71-17685 *	#	NASA-CASE-NPO-10646	c 15	N71-28467 *	#
NASA-CASE-MSC-18498-1	c 60	N82-29013 *	#	NASA-CASE-NPO-10037	c 09	N71-19610 *	#	NASA-CASE-NPO-10649	c 07	N71-24840 *	#
NASA-CASE-MSC-18526-1	c 37	N82-24494 *	#	NASA-CASE-NPO-10046	c 28	N72-17843 *	#	NASA-CASE-NPO-10671	c 15	N72-20443 *	#
NASA-CASE-MSC-18532-1	c 32	N82-27558 *	#	NASA-CASE-NPO-10051	c 18	N71-24934 *	#	NASA-CASE-NPO-10677	c 05	N72-11084 *	#
NASA-CASE-MSC-18538-1	c 37	N82-26672 *	#	NASA-CASE-NPO-10064	c 15	N71-17693 *	#	NASA-CASE-NPO-10679	c 15	N72-21462 *	#
NASA-CASE-MSC-18578-1	c 32	N85-21427 *	#	NASA-CASE-NPO-10066	c 09	N71-18598 *	#	NASA-CASE-NPO-10680	c 31	N73-14855 *	#
NASA-CASE-MSC-18606-1	c 32	N82-11336 *	#	NASA-CASE-NPO-10068	c 08	N71-19288 *	#	NASA-CASE-NPO-10682	c 15	N70-34699 *	#
NASA-CASE-MSC-18627-1	c 74	N82-30071 *	#	NASA-CASE-NPO-10070	c 15	N71-27372 *	#	NASA-CASE-NPO-10691	c 14	N71-26199 *	#
NASA-CASE-MSC-18674-1	c 74	N81-24907 *	#	NASA-CASE-NPO-10096	c 07	N71-24583 *	#	NASA-CASE-NPO-10694	c 09	N72-20200 *	#
NASA-CASE-MSC-18675-1	c 32	N84-22820 *	#	NASA-CASE-NPO-10109	c 03	N71-11049 *	#	NASA-CASE-NPO-10700	c 07	N71-33613 *	#
NASA-CASE-MSC-18723-1	c 35	N83-21312 *	#	NASA-CASE-NPO-10112	c 08	N71-12502 *	#	NASA-CASE-NPO-10701	c 06	N71-28620 *	#
NASA-CASE-MSC-18736-1	c 24	N83-13172 *	#	NASA-CASE-NPO-10117	c 15	N71-15608 *	#	NASA-CASE-NPO-10704	c 15	N72-20445 *	#
NASA-CASE-MSC-18737-1	c 24	N83-13171 *	#	NASA-CASE-NPO-10118	c 07	N71-24741 *	#	NASA-CASE-NPO-10711-1	c 35	N77-21392 *	#
NASA-CASE-MSC-18741-1	c 27	N82-29456 *	#	NASA-CASE-NPO-10122	c 12	N71-17631 *	#	NASA-CASE-NPO-10714	c 06	N69-31244 *	#
NASA-CASE-MSC-18742-1	c 37	N82-26673 *	#	NASA-CASE-NPO-10123	c 15	N71-24835 *	#	NASA-CASE-NPO-10716	c 09	N71-24892 *	#
NASA-CASE-MSC-18759-1	c 52	N83-27578 *	#	NASA-CASE-NPO-10138	c 33	N71-16357 *	#	NASA-CASE-NPO-10721	c 15	N72-27484 *	#
NASA-CASE-MSC-18761-1	c 52	N83-27577 *	#	NASA-CASE-NPO-10140	c 07	N71-24742 *	#	NASA-CASE-NPO-10722	c 09	N72-20199 *	#
NASA-CASE-MSC-18791-1	c 37	N83-36482 *	#	NASA-CASE-NPO-10141	c 11	N71-24964 *	#	NASA-CASE-NPO-10737	c 28	N71-17109 *	#
NASA-CASE-MSC-18794-1	c 44	N83-14693 *	#	NASA-CASE-NPO-10143	c 10	N71-26326 *	#	NASA-CASE-NPO-10743	c 08	N72-21199 *	#
NASA-CASE-MSC-18796-1	c 24	N82-26389 *	#	NASA-CASE-NPO-10144	c 14	N71-17701 *	#	NASA-CASE-N			

NASA-CASE-NPO-10760	c 09	N72-25254 *	#	NASA-CASE-NPO-11333	c 08	N72-22162 *	#	NASA-CASE-NPO-12142-1	c 38	N76-28563 *	#
NASA-CASE-NPO-10764-1	c 14	N73-14428 *	#	NASA-CASE-NPO-11336-1	c 76	N79-16678 *	#	NASA-CASE-NPO-12148-1	c 44	N78-27515 *	#
NASA-CASE-NPO-10764-2	c 35	N75-25122 *	#	NASA-CASE-NPO-11337-1	c 74	N81-19996 *	#	NASA-CASE-NPO-13044-1	c 35	N74-15094 *	#
NASA-CASE-NPO-10765	c 06	N72-20121 *	#	NASA-CASE-NPO-11338	c 08	N72-25208 *	#	NASA-CASE-NPO-13050-1	c 36	N75-15029 *	#
NASA-CASE-NPO-10767-1	c 06	N73-33076 *	#	NASA-CASE-NPO-11340	c 15	N72-33477 *	#	NASA-CASE-NPO-13058-1	c 37	N77-22480 *	#
NASA-CASE-NPO-10767-2	c 06	N72-27151 *	#	NASA-CASE-NPO-11342	c 09	N72-25248 *	#	NASA-CASE-NPO-13059-1	c 37	N76-20480 *	#
NASA-CASE-NPO-10767-2	c 06	N72-27144 *	#	NASA-CASE-NPO-11358	c 07	N72-25172 *	#	NASA-CASE-NPO-13063-1	c 25	N76-18245 *	#
NASA-CASE-NPO-10768-2	c 06	N71-27254 *	#	NASA-CASE-NPO-11361	c 07	N72-32169 *	#	NASA-CASE-NPO-13064-1	c 33	N79-11314 *	#
NASA-CASE-NPO-10768	c 06	N72-21171 *	#	NASA-CASE-NPO-11366	c 11	N73-26238 *	#	NASA-CASE-NPO-13065-1	c 52	N74-26625 *	#
NASA-CASE-NPO-10769	c 08	N72-17095 *	#	NASA-CASE-NPO-11369	c 15	N73-13467 *	#	NASA-CASE-NPO-13067-1	c 60	N76-18800 *	#
NASA-CASE-NPO-10774	c 06	N72-11364 *	#	NASA-CASE-NPO-11371	c 08	N73-12177 *	#	NASA-CASE-NPO-13081-1	c 33	N74-22814 *	#
NASA-CASE-NPO-10778	c 14	N72-11364 *	#	NASA-CASE-NPO-11373	c 13	N72-25232 *	#	NASA-CASE-NPO-13086-1	c 15	N73-12495 *	#
NASA-CASE-NPO-10781-1	c 33	N77-21314 *	#	NASA-CASE-NPO-11377	c 15	N73-27406 *	#	NASA-CASE-NPO-13087-2	c 44	N76-31666 *	#
NASA-CASE-NPO-10790-1	c 33	N77-21316 *	#	NASA-CASE-NPO-11387	c 14	N73-14429 *	#	NASA-CASE-NPO-13091-1	c 09	N73-12214 *	#
NASA-CASE-NPO-10796	c 15	N71-27068 *	#	NASA-CASE-NPO-11388	c 03	N72-23048 *	#	NASA-CASE-NPO-13096-1	c 37	N77-22480 *	#
NASA-CASE-NPO-10808	c 15	N71-27432 *	#	NASA-CASE-NPO-11403-1	c 33	N77-22386 *	#	NASA-CASE-NPO-13103-1	c 32	N74-20811 *	#
NASA-CASE-NPO-10810	c 14	N71-27323 *	#	NASA-CASE-NPO-11406	c 08	N73-12175 *	#	NASA-CASE-NPO-13105-1	c 37	N74-21060 *	#
NASA-CASE-NPO-10812	c 15	N73-13464 *	#	NASA-CASE-NPO-11417	c 15	N73-24513 *	#	NASA-CASE-NPO-13112-1	c 73	N72-26767 *	#
NASA-CASE-NPO-10817-1	c 08	N73-30135 *	#	NASA-CASE-NPO-11418-1	c 14	N73-13420 *	#	NASA-CASE-NPO-13114-2	c 73	N78-28913 *	#
NASA-CASE-NPO-10821	c 03	N71-19545 *	#	NASA-CASE-NPO-11426	c 07	N73-26119 *	#	NASA-CASE-NPO-13120-1	c 27	N76-15311 *	#
NASA-CASE-NPO-10828	c 33	N72-17948 *	#	NASA-CASE-NPO-11429-1	c 74	N77-21941 *	#	NASA-CASE-NPO-13121-1	c 73	N77-18891 *	#
NASA-CASE-NPO-10830-1	c 27	N81-15104 *	#	NASA-CASE-NPO-11432-2	c 35	N74-15090 *	#	NASA-CASE-NPO-13125-1	c 33	N75-19519 *	#
NASA-CASE-NPO-10831	c 33	N72-20915 *	#	NASA-CASE-NPO-11437	c 16	N72-28521 *	#	NASA-CASE-NPO-13127-1	c 35	N74-23040 *	#
NASA-CASE-NPO-10832	c 14	N72-21405 *	#	NASA-CASE-NPO-11456	c 08	N73-26176 *	#	NASA-CASE-NPO-13131-1	c 36	N75-19652 *	#
NASA-CASE-NPO-10844	c 07	N72-20140 *	#	NASA-CASE-NPO-11458A	c 20	N78-32179 *	#	NASA-CASE-NPO-13137-1	c 27	N80-32514 *	#
NASA-CASE-NPO-10851	c 07	N71-24613 *	#	NASA-CASE-NPO-11458	c 28	N72-23810 *	#	NASA-CASE-NPO-13138-1	c 33	N74-17927 *	#
NASA-CASE-NPO-10857-1	c 33	N80-14330 *	#	NASA-CASE-NPO-11479	c 15	N73-13462 *	#	NASA-CASE-NPO-13139-1	c 60	N76-21914 *	#
NASA-CASE-NPO-10862	c 06	N72-22107 *	#	NASA-CASE-NPO-11481	c 21	N73-13644 *	#	NASA-CASE-NPO-13140-1	c 32	N75-24982 *	#
NASA-CASE-NPO-10863-2	c 06	N72-25152 *	#	NASA-CASE-NPO-11493	c 14	N74-12347 *	#	NASA-CASE-NPO-13147-1	c 36	N77-25502 *	#
NASA-CASE-NPO-10863	c 06	N70-11251 *	#	NASA-CASE-NPO-11497	c 08	N73-25206 *	#	NASA-CASE-NPO-13157-1	c 37	N74-32918 *	#
NASA-CASE-NPO-10866-1	c 28	N79-14228 *	#	NASA-CASE-NPO-11510-1	c 33	N77-21315 *	#	NASA-CASE-NPO-13159-1	c 33	N74-17928 *	#
NASA-CASE-NPO-10870-1	c 33	N77-22386 *	#	NASA-CASE-NPO-11515-1	c 33	N77-13315 *	#	NASA-CASE-NPO-13160-1	c 35	N74-18090 *	#
NASA-CASE-NPO-10872-1	c 35	N79-16246 *	#	NASA-CASE-NPO-11548	c 07	N73-26118 *	#	NASA-CASE-NPO-13170-1	c 35	N76-14430 *	#
NASA-CASE-NPO-10883	c 31	N72-22874 *	#	NASA-CASE-NPO-11556	c 12	N72-25292 *	#	NASA-CASE-NPO-13171-1	c 32	N74-11000 *	#
NASA-CASE-NPO-10890	c 11	N73-12265 *	#	NASA-CASE-NPO-11559	c 28	N73-24784 *	#	NASA-CASE-NPO-13175-1	c 36	N75-31427 *	#
NASA-CASE-NPO-10893	c 27	N73-22710 *	#	NASA-CASE-NPO-11569	c 10	N73-26229 *	#	NASA-CASE-NPO-13201-1	c 37	N75-15050 *	#
NASA-CASE-NPO-10895	c 14	N73-20478 *	#	NASA-CASE-NPO-11572	c 07	N73-16121 *	#	NASA-CASE-NPO-13205-1	c 31	N74-32917 *	#
NASA-CASE-NPO-10998-1	c 06	N73-32029 *	#	NASA-CASE-NPO-11575-1	c 74	N81-19996 *	#	NASA-CASE-NPO-13214-1	c 35	N75-25123 *	#
NASA-CASE-NPO-10999-1	c 06	N73-32029 *	#	NASA-CASE-NPO-11593-1	c 07	N73-28012 *	#	NASA-CASE-NPO-13215-1	c 35	N75-25123 *	#
NASA-CASE-NPO-11001	c 07	N72-21118 *	#	NASA-CASE-NPO-11609-2	c 27	N77-31308 *	#	NASA-CASE-NPO-13217-1	c 32	N75-26194 *	#
NASA-CASE-NPO-11002	c 14	N72-22441 *	#	NASA-CASE-NPO-11623-1	c 71	N74-31148 *	#	NASA-CASE-NPO-13231-1	c 45	N75-27585 *	#
NASA-CASE-NPO-11012	c 15	N72-11391 *	#	NASA-CASE-NPO-11628-1	c 07	N73-30113 *	#	NASA-CASE-NPO-13237-1	c 44	N76-18641 *	#
NASA-CASE-NPO-11013	c 11	N72-22247 *	#	NASA-CASE-NPO-11630	c 08	N73-33172 *	#	NASA-CASE-NPO-13247-1	c 76	N79-16678 *	#
NASA-CASE-NPO-11016	c 08	N72-31226 *	#	NASA-CASE-NPO-11631	c 10	N73-12244 *	#	NASA-CASE-NPO-13253-1	c 37	N75-18573 *	#
NASA-CASE-NPO-11018	c 08	N72-21200 *	#	NASA-CASE-NPO-11659-1	c 35	N74-11283 *	#	NASA-CASE-NPO-13263-1	c 12	N75-24774 *	#
NASA-CASE-NPO-11021	c 03	N72-20032 *	#	NASA-CASE-NPO-11661	c 07	N73-14130 *	#	NASA-CASE-NPO-13274-1	c 25	N79-10163 *	#
NASA-CASE-NPO-11023	c 09	N72-17155 *	#	NASA-CASE-NPO-11682-1	c 35	N74-15127 *	#	NASA-CASE-NPO-13281-1	c 37	N75-13266 *	#
NASA-CASE-NPO-11031	c 07	N71-33606 *	#	NASA-CASE-NPO-11686	c 14	N73-25462 *	#	NASA-CASE-NPO-13282	c 38	N78-17396 *	#
NASA-CASE-NPO-11036	c 15	N72-24522 *	#	NASA-CASE-NPO-11703-1	c 10	N73-32144 *	#	NASA-CASE-NPO-13283	c 38	N78-17395 *	#
NASA-CASE-NPO-11059	c 15	N72-17454 *	#	NASA-CASE-NPO-11707	c 07	N73-25161 *	#	NASA-CASE-NPO-13292-1	c 32	N75-15854 *	#
NASA-CASE-NPO-11064	c 07	N72-11150 *	#	NASA-CASE-NPO-11738-1	c 09	N73-30185 *	#	NASA-CASE-NPO-13303-1	c 20	N75-24837 *	#
NASA-CASE-NPO-11078	c 09	N72-25262 *	#	NASA-CASE-NPO-11743-1	c 28	N74-27425 *	#	NASA-CASE-NPO-13308-1	c 36	N75-30524 *	#
NASA-CASE-NPO-11082	c 08	N72-22167 *	#	NASA-CASE-NPO-11749	c 14	N73-28486 *	#	NASA-CASE-NPO-13309-1	c 25	N81-19244 *	#
NASA-CASE-NPO-11087	c 23	N71-29125 *	#	NASA-CASE-NPO-11751	c 07	N73-24176 *	#	NASA-CASE-NPO-13313-1	c 54	N75-27761 *	#
NASA-CASE-NPO-11088	c 08	N71-29034 *	#	NASA-CASE-NPO-11758-1	c 31	N74-23065 *	#	NASA-CASE-NPO-13321-1	c 32	N75-26195 *	#
NASA-CASE-NPO-11091	c 18	N72-22567 *	#	NASA-CASE-NPO-11771	c 03	N73-20040 *	#	NASA-CASE-NPO-13327-1	c 35	N75-23910 *	#
NASA-CASE-NPO-11095	c 15	N72-25455 *	#	NASA-CASE-NPO-11775	c 26	N72-8671 *	#	NASA-CASE-NPO-13342-1	c 37	N76-16446 *	#
NASA-CASE-NPO-11103-1	c 35	N77-27367 *	#	NASA-CASE-NPO-11806-1	c 44	N74-19693 *	#	NASA-CASE-NPO-13342-2	c 44	N76-29700 *	#
NASA-CASE-NPO-11104	c 08	N72-22165 *	#	NASA-CASE-NPO-11820-1	c 32	N74-19788 *	#	NASA-CASE-NPO-13345-1	c 37	N75-19684 *	#
NASA-CASE-NPO-11106	c 14	N70-34697 *	#	NASA-CASE-NPO-11821-1	c 08	N73-26175 *	#	NASA-CASE-NPO-13346-1	c 36	N76-29575 *	#
NASA-CASE-NPO-11118	c 03	N72-25021 *	#	NASA-CASE-NPO-11850-1	c 32	N74-12912 *	#	NASA-CASE-NPO-13348-1	c 33	N75-31332 *	#
NASA-CASE-NPO-11120-1	c 34	N74-18552 *	#	NASA-CASE-NPO-11856-1	c 36	N74-15145 *	#	NASA-CASE-NPO-13360-1	c 37	N75-25185 *	#
NASA-CASE-NPO-11129	c 09	N72-33204 *	#	NASA-CASE-NPO-11861-1	c 36	N74-20009 *	#	NASA-CASE-NPO-13374-1	c 33	N75-19524 *	#
NASA-CASE-NPO-11130	c 08	N72-20176 *	#	NASA-CASE-NPO-11868	c 10	N73-20254 *	#	NASA-CASE-NPO-13385-1	c 33	N76-18345 *	#
NASA-CASE-NPO-11133	c 10	N72-20223 *	#	NASA-CASE-NPO-11880	c 28	N73-24783 *	#	NASA-CASE-NPO-13386-1	c 54	N75-27758 *	#
NASA-CASE-NPO-11134	c 09	N72-12446 *	#	NASA-CASE-NPO-11905-1	c 33	N74-12887 *	#	NASA-CASE-NPO-13388-1	c 35	N76-16390 *	#
NASA-CASE-NPO-11138	c 03	N70-34646 *	#	NASA-CASE-NPO-11919-1	c 35	N74-11284 *	#	NASA-CASE-NPO-13391-1	c 34	N76-27515 *	#
NASA-CASE-NPO-11140	c 15	N72-17455 *	#	NASA-CASE-NPO-11921-1	c 32	N74-30523 *	#	NASA-CASE-NPO-13396-1	c 35	N76-18401 *	#
NASA-CASE-NPO-11147	c 14	N72-27408 *	#	NASA-CASE-NPO-11932-1	c 35	N74-23040 *	#	NASA-CASE-NPO-13402-1	c 37	N76-18457 *	#
NASA-CASE-NPO-11150	c 35	N78-17359 *	#	NASA-CASE-NPO-11941-1	c 10	N73-27171 *	#	NASA-CASE-NPO-13422-1	c 60	N76-14818 *	#
NASA-CASE-NPO-11156-2	c 33	N75-31331 *	#	NASA-CASE-NPO-11942-1	c 33	N73-32818 *	#	NASA-CASE-NPO-13423-1	c 33	N75-31329 *	#
NASA-CASE-NPO-11161	c 08	N72-25207 *	#	NASA-CASE-NPO-11945-1	c 36	N76-18427 *	#	NASA-CASE-NPO-13426-1	c 33	N75-31330 *	#
NASA-CASE-NPO-11177	c 15	N72-17453 *	#	NASA-CASE-NPO-11948-1	c 33	N74-32712 *	#	NASA-CASE-NPO-13428-1	c 60	N77-12721 *	#
NASA-CASE-NPO-11190	c 03	N71-34044 *	#	NASA-CASE-NPO-11951-1	c 37	N74-21065 *	#	NASA-CASE-NPO-13435-1	c 31	N76-14284 *	#
NASA-CASE-NPO-11191-1	c 33	N77-22386 *	#	NASA-CASE-NPO-11954-1	c 35	N78-29421 *	#	NASA-CASE-NPO-13436-1	c 37	N76-20480 *	#
NASA-CASE-NPO-11194	c 08	N72-25209 *	#	NASA-CASE-NPO-11961-1	c 44	N76-18643 *	#	NASA-CASE-NPO-13443-1	c 76	N76-20994 *	#
NASA-CASE-NPO-11201	c 14	N72-27409 *	#	NASA-CASE-NPO-11962-1	c 33	N74-10194 *	#	NASA-CASE-NPO-13447-1	c 60	N77-12721 *	#
NASA-CASE-NPO-11202	c 15	N72-25450 *	#	NASA-CASE-NPO-11966-1	c 33	N74-17928 *	#	NASA-CASE-NPO-13449-1	c 36	N75-32441 *	#
NASA-CASE-NPO-11203	c 10	N72-20224 *	#	NASA-CASE-NPO-11975-1	c 28	N74-33209 *	#	NASA-CASE-NPO-13451-1	c 33	N76-14373 *	#
NASA-CASE-NPO-11210	c 11	N72-20244 *	#	NASA-CASE-NPO-11978	c 31	N78-17238 *	#	NASA-CASE-NPO-13459-1	c 31	N77-10229 *	#
NASA-CASE-NPO-11213	c 15	N73-20514 *	#	NASA-CASE-NPO-12000	c 27	N72-25699 *	#	NASA-CASE-NPO-13462-1	c 35	N76-24524 *	#
NASA-CASE-NPO-11222	c 15	N72-25456 *	#	NASA-CASE-NPO-12015	c 27	N73-16764 *	#	NASA-CASE-NPO-13464-1	c 44	N76-18642 *	#
NASA-CASE-NPO-11239	c 14	N73-12446 *	#	NASA-CASE-NPO-12081-1	c 27	N76-16228 *	#	NASA-CASE-NPO-13464-2	c 44	N76-29704 *	#
NASA-CASE-NPO-11243	c 07	N72-20154 *	#	NASA-CASE-NPO-12070-1	c 28	N73-32606 *	#	NASA-CASE-NPO-13465-1	c 32	N76-31372 *	#
NASA-CASE-NPO-11253	c 09	N72-17157 *	#	NASA-CASE-NPO-12072	c 28	N72-22772 *	#	NASA-CASE-NPO-13474-1	c 45	N76-21742 *	#
NASA-CASE-NPO-11264	c 07	N72-25174 *	#	NASA-CASE-NPO-12087-1	c 74	N81-19898 *	#	NASA-CASE-NPO-13479-1	c 35	N77-10492 *	#
NASA-CASE-NPO-11282	c 10	N73-16205 *	#	NASA-CASE-NPO-12106	c 09	N73-15235 *	#	NASA-CASE-NPO-13482-1	c 44	N78-13526 *	#
NASA-CASE-NPO-11283	c 09	N72-25260 *	#	NASA-CASE-NPO-12107	c 08	N71-27255 *	#	NASA-CASE-NPO-13490-1	c 36	N76-31512 *	#
NASA-CASE-NPO-11291-1	c 14	N73-30388 *	#	NASA-CASE-NPO-12109	c 11	N72-22245 *	#	NASA-CASE-NPO-13497-1	c 44	N76-14602 *	#
NASA-CASE-NPO-11302-1	c 07	N73-13149 *	#	NASA-CASE-NPO-12119-1	c 52	N75-15270 *	#	NASA-CASE-NPO-13504-1	c 33	N75-30430 *	#
NASA-CASE-NPO-11302-2	c 32	N74-10132 *	#	NASA-CASE-NPO-12122-1	c 24	N76-14203 *	#	N			

NASA-CASE-NPO-13531-1

REPORT NUMBER INDEX

NASA-CASE-NPO-13531-1	c 36	N76-24553 *	#	NASA-CASE-NPO-13935-1	c 52	N79-14751 *	#	NASA-CASE-NPO-14416-1	c 44	N81-14389 *	#
NASA-CASE-NPO-13535-1	c 37	N76-31524 *	#	NASA-CASE-NPO-13937-1	c 44	N78-31527 *	#	NASA-CASE-NPO-14424-1	c 33	N80-32650 *	#
NASA-CASE-NPO-13540-1	c 35	N77-14409 *	#	NASA-CASE-NPO-13941-1	c 32	N79-10262 *	#	NASA-CASE-NPO-14426-1	c 33	N81-27396 *	#
NASA-CASE-NPO-13541-1	c 37	N79-14383 *	#	NASA-CASE-NPO-13944-1	c 52	N79-14751 *	#	NASA-CASE-NPO-14430-1	c 33	N80-32650 *	#
NASA-CASE-NPO-13543-1	c 32	N77-12240 *	#	NASA-CASE-NPO-13945-1	c 36	N78-27402 *	#	NASA-CASE-NPO-14435-1	c 33	N81-33405 *	#
NASA-CASE-NPO-13544-1	c 36	N76-18428 *	#	NASA-CASE-NPO-13948-1	c 35	N78-25391 *	#	NASA-CASE-NPO-14444-1	c 33	N81-15192 *	#
NASA-CASE-NPO-13545-1	c 32	N77-12240 *	#	NASA-CASE-NPO-13953-1	c 35	N79-28527 *	#	NASA-CASE-NPO-14448-1	c 74	N81-29963 *	#
NASA-CASE-NPO-13550-1	c 36	N77-26477 *	#	NASA-CASE-NPO-13958-1	c 25	N79-11151 *	#	NASA-CASE-NPO-14467-1	c 44	N79-31753 *	#
NASA-CASE-NPO-13553-1	c 33	N76-32457 *	#	NASA-CASE-NPO-13969-1	c 76	N79-23798 *	#	NASA-CASE-NPO-14473-1	c 37	N80-23654 *	#
NASA-CASE-NPO-13556-1	c 35	N84-33766 *	#	NASA-CASE-NPO-13970-1	c 33	N81-20352 *	#	NASA-CASE-NPO-14474-1	c 26	N80-14229 *	#
NASA-CASE-NPO-13560-1	c 44	N77-10636 *	#	NASA-CASE-NPO-13982-1	c 32	N79-14267 *	#	NASA-CASE-NPO-14477-1	c 28	N80-28536 *	#
NASA-CASE-NPO-13561-1	c 44	N77-10636 *	#	NASA-CASE-NPO-13993-1	c 72	N79-13826 *	#	NASA-CASE-NPO-14480-1	c 32	N80-20448 *	#
NASA-CASE-NPO-13566-1	c 25	N77-32255 *	#	NASA-CASE-NPO-13999-1	c 35	N78-18395 *	#	NASA-CASE-NPO-14501-1	c 35	N80-18357 *	#
NASA-CASE-NPO-13567-1	c 44	N76-29701 *	#	NASA-CASE-NPO-14000-1	c 33	N79-24254 *	#	NASA-CASE-NPO-14502-1	c 74	N81-17888 *	#
NASA-CASE-NPO-13568-1	c 32	N76-21365 *	#	NASA-CASE-NPO-14001-1	c 27	N81-14076 *	#	NASA-CASE-NPO-14505-1	c 33	N81-19393 *	#
NASA-CASE-NPO-13569-2	c 35	N79-14348 *	#	NASA-CASE-NPO-14005-1	c 71	N79-20827 *	#	NASA-CASE-NPO-14513-1	c 35	N81-14287 *	#
NASA-CASE-NPO-13579-1	c 44	N78-17460 *	#	NASA-CASE-NPO-14009-1	c 32	N79-13214 *	#	NASA-CASE-NPO-14519-1	c 32	N80-23524 *	#
NASA-CASE-NPO-13579-2	c 44	N79-24433 *	#	NASA-CASE-NPO-14014-1	c 37	N79-10420 *	#	NASA-CASE-NPO-14521-1	c 37	N81-27519 *	#
NASA-CASE-NPO-13579-3	c 44	N79-24432 *	#	NASA-CASE-NPO-14019-1	c 32	N79-14268 *	#	NASA-CASE-NPO-14524-1	c 32	N80-24510 *	#
NASA-CASE-NPO-13579-4	c 44	N79-14529 *	#	NASA-CASE-NPO-14021-2	c 27	N80-16163 *	#	NASA-CASE-NPO-14525-1	c 32	N79-19195 *	#
NASA-CASE-NPO-13581-2	c 44	N78-31525 *	#	NASA-CASE-NPO-14022-1	c 32	N78-31321 *	#	NASA-CASE-NPO-14525-2	c 32	N83-31918 *	#
NASA-CASE-NPO-13587-1	c 32	N77-32342 *	#	NASA-CASE-NPO-14035-1	c 32	N83-19968 *	#	NASA-CASE-NPO-14527-1	c 32	N80-24510 *	#
NASA-CASE-NPO-13604-1	c 35	N76-31490 *	#	NASA-CASE-NPO-14054-1	c 32	N82-12297 *	#	NASA-CASE-NPO-14536-1	c 32	N81-14185 *	#
NASA-CASE-NPO-13606-2	c 35	N80-18364 *	#	NASA-CASE-NPO-14056-1	c 33	N79-24257 *	#	NASA-CASE-NPO-14542-1	c 25	N82-23282 *	#
NASA-CASE-NPO-13613-1	c 37	N76-29590 *	#	NASA-CASE-NPO-14058-1	c 44	N79-18443 *	#	NASA-CASE-NPO-14544-1	c 46	N82-12685 *	#
NASA-CASE-NPO-13619-1	c 37	N78-16369 *	#	NASA-CASE-NPO-14066-1	c 74	N79-34011 *	#	NASA-CASE-NPO-14549-2	c 52	N82-33996 *	#
NASA-CASE-NPO-13620-1	c 27	N77-30236 *	#	NASA-CASE-NPO-14078-1	c 72	N80-14877 *	#	NASA-CASE-NPO-14554-1	c 60	N81-27814 *	#
NASA-CASE-NPO-13641-1	c 32	N79-24210 *	#	NASA-CASE-NPO-14079-1	c 25	N80-20334 *	#	NASA-CASE-NPO-14556-1	c 33	N82-24418 *	#
NASA-CASE-NPO-13643-1	c 52	N76-29896 *	#	NASA-CASE-NPO-14092-1	c 52	N80-16725 *	#	NASA-CASE-NPO-14558-1	c 46	N80-24906 *	#
NASA-CASE-NPO-13644-1	c 52	N76-29895 *	#	NASA-CASE-NPO-14093-1	c 35	N80-20563 *	#	NASA-CASE-NPO-14567-1	c 33	N83-18996 *	#
NASA-CASE-NPO-13650-1	c 25	N79-28253 *	#	NASA-CASE-NPO-14096-1	c 44	N80-18551 *	#	NASA-CASE-NPO-14579-1	c 32	N80-18253 *	#
NASA-CASE-NPO-13652-1	c 44	N79-17314 *	#	NASA-CASE-NPO-14100-1	c 44	N79-12541 *	#	NASA-CASE-NPO-14588-1	c 32	N81-25278 *	#
NASA-CASE-NPO-13652-2	c 44	N79-24431 *	#	NASA-CASE-NPO-14101-1	c 52	N80-14687 *	#	NASA-CASE-NPO-14590-1	c 32	N80-18253 *	#
NASA-CASE-NPO-13652-3	c 44	N80-14474 *	#	NASA-CASE-NPO-14103-1	c 28	N78-31255 *	#	NASA-CASE-NPO-14596-1	c 31	N81-33319 *	#
NASA-CASE-NPO-13663-1	c 35	N77-14406 *	#	NASA-CASE-NPO-14109-1	c 28	N80-23471 *	#	NASA-CASE-NPO-14596-3	c 31	N83-31896 *	#
NASA-CASE-NPO-13666-1	c 27	N77-13217 *	#	NASA-CASE-NPO-14110-1	c 28	N81-15119 *	#	NASA-CASE-NPO-14597-2	c 37	N84-28081 *	#
NASA-CASE-NPO-13671-1	c 37	N77-31497 *	#	NASA-CASE-NPO-14112-1	c 46	N79-22679 *	#	NASA-CASE-NPO-14617-1	c 33	N81-24338 *	#
NASA-CASE-NPO-13673-1	c 71	N77-26919 *	#	NASA-CASE-NPO-14124-1	c 46	N80-14603 *	#	NASA-CASE-NPO-14619-1	c 44	N81-17518 *	#
NASA-CASE-NPO-13675-1	c 44	N77-32580 *	#	NASA-CASE-NPO-14126-1	c 44	N79-11470 *	#	NASA-CASE-NPO-14632-1	c 32	N82-18443 *	#
NASA-CASE-NPO-13676-1	c 60	N79-20751 *	#	NASA-CASE-NPO-14130-1	c 34	N79-20335 *	#	NASA-CASE-NPO-14635-1	c 44	N80-24741 *	#
NASA-CASE-NPO-13683-1	c 35	N77-14411 *	#	NASA-CASE-NPO-14134-1	c 71	N79-23753 *	#	NASA-CASE-NPO-14640-1	c 32	N80-32605 *	#
NASA-CASE-NPO-13687-1	c 35	N78-18391 *	#	NASA-CASE-NPO-14140-1	c 43	N81-26509 *	#	NASA-CASE-NPO-14641-1	c 32	N81-29308 *	#
NASA-CASE-NPO-13689-2	c 44	N81-29525 *	#	NASA-CASE-NPO-14143-1	c 25	N81-14015 *	#	NASA-CASE-NPO-14657-1	c 74	N81-17887 *	#
NASA-CASE-NPO-13689-4	c 44	N82-28780 *	#	NASA-CASE-NPO-14152-1	c 32	N80-18252 *	#	NASA-CASE-NPO-14670-1	c 44	N81-19558 *	#
NASA-CASE-NPO-13690-1	c 27	N78-19302 *	#	NASA-CASE-NPO-14162-1	c 60	N81-15706 *	#	NASA-CASE-NPO-14749-1	c 32	N81-14186 *	#
NASA-CASE-NPO-13690-2	c 27	N79-14213 *	#	NASA-CASE-NPO-14163-1	c 33	N81-14200 *	#	NASA-CASE-NPO-14782-1	c 36	N82-28616 *	#
NASA-CASE-NPO-13691-1	c 43	N79-17288 *	#	NASA-CASE-NPO-14167-1	c 60	N81-15706 *	#	NASA-CASE-NPO-14813-1	c 74	N82-24072 *	#
NASA-CASE-NPO-13707-1	c 74	N77-28933 *	#	NASA-CASE-NPO-14169-1	c 60	N81-15706 *	#	NASA-CASE-NPO-14831-1	c 76	N82-30105 *	#
NASA-CASE-NPO-13722-1	c 74	N77-22951 *	#	NASA-CASE-NPO-14170-1	c 37	N81-15364 *	#	NASA-CASE-NPO-14839-1	c 35	N82-15381 *	#
NASA-CASE-NPO-13731-1	c 39	N78-10493 *	#	NASA-CASE-NPO-14173-1	c 04	N80-32359 *	#	NASA-CASE-NPO-14845-1	c 27	N82-28422 *	#
NASA-CASE-NPO-13732-1	c 44	N79-10513 *	#	NASA-CASE-NPO-14174-1	c 74	N79-20856 *	#	NASA-CASE-NPO-14857-1	c 27	N83-19900 *	#
NASA-CASE-NPO-13734-1	c 44	N78-10554 *	#	NASA-CASE-NPO-14191-1	c 31	N80-32584 *	#	NASA-CASE-NPO-14864-1	c 74	N83-19597 *	#
NASA-CASE-NPO-13736-1	c 44	N77-32583 *	#	NASA-CASE-NPO-14192-1	c 39	N80-10507 *	#	NASA-CASE-NPO-14902-1	c 25	N82-29371 *	#
NASA-CASE-NPO-13753-1	c 32	N77-20289 *	#	NASA-CASE-NPO-14199-1	c 44	N79-25482 *	#	NASA-CASE-NPO-14936-1	c 47	N83-32232 *	#
NASA-CASE-NPO-13758-2	c 31	N81-15154 *	#	NASA-CASE-NPO-14200-1	c 44	N79-25482 *	#	NASA-CASE-NPO-14940-1	c 33	N83-31954 *	#
NASA-CASE-NPO-13759-1	c 74	N78-17867 *	#	NASA-CASE-NPO-14205-1	c 44	N79-31752 *	#	NASA-CASE-NPO-14987-1	c 24	N83-33950 *	#
NASA-CASE-NPO-13763-1	c 44	N78-33526 *	#	NASA-CASE-NPO-14212-1	c 52	N80-27072 *	#	NASA-CASE-NPO-14998-1	c 32	N83-18975 *	#
NASA-CASE-NPO-13764-1	c 27	N78-17215 *	#	NASA-CASE-NPO-14219-1	c 74	N81-17886 *	#	NASA-CASE-NPO-15015-1	c 25	N82-28368 *	#
NASA-CASE-NPO-13772-1	c 35	N78-10429 *	#	NASA-CASE-NPO-14220-1	c 37	N81-14318 *	#	NASA-CASE-NPO-15021-1	c 36	N83-10417 *	#
NASA-CASE-NPO-13786-1	c 44	N80-29835 *	#	NASA-CASE-NPO-14221-1	c 37	N81-25370 *	#	NASA-CASE-NPO-15024-1	c 32	N84-27951 *	#
NASA-CASE-NPO-13792-1	c 35	N77-32455 *	#	NASA-CASE-NPO-14224-1	c 33	N80-18287 *	#	NASA-CASE-NPO-15036-1	c 74	N82-19029 *	#
NASA-CASE-NPO-13801-1	c 36	N78-18410 *	#	NASA-CASE-NPO-14229-1	c 33	N80-18285 *	#	NASA-CASE-NPO-15037-2	c 37	N85-29282 *	#
NASA-CASE-NPO-13802-1	c 71	N78-10837 *	#	NASA-CASE-NPO-14231-1	c 46	N80-10709 *	#	NASA-CASE-NPO-15066-1	c 33	N82-29538 *	#
NASA-CASE-NPO-13804-1	c 33	N80-23559 *	#	NASA-CASE-NPO-14237-1	c 44	N80-20808 *	#	NASA-CASE-NPO-15070-1	c 31	N83-35176 *	#
NASA-CASE-NPO-13808-1	c 35	N78-15461 *	#	NASA-CASE-NPO-14253-1	c 32	N80-32605 *	#	NASA-CASE-NPO-15071-1	c 44	N82-16475 *	#
NASA-CASE-NPO-13810-1	c 44	N77-32582 *	#	NASA-CASE-NPO-14254-1	c 36	N80-18372 *	#	NASA-CASE-NPO-15100-1	c 44	N84-14583 *	#
NASA-CASE-NPO-13812-1	c 33	N77-30365 *	#	NASA-CASE-NPO-14255-1	c 46	N79-23555 *	#	NASA-CASE-NPO-15102-1	c 25	N81-25159 *	#
NASA-CASE-NPO-13813-1	c 44	N78-31526 *	#	NASA-CASE-NPO-14258-1	c 35	N81-33448 *	#	NASA-CASE-NPO-15111-1	c 36	N82-29499 *	#
NASA-CASE-NPO-13817-1	c 44	N79-11471 *	#	NASA-CASE-NPO-14260-1	c 28	N79-28342 *	#	NASA-CASE-NPO-15115-1	c 37	N82-24493 *	#
NASA-CASE-NPO-13821-1	c 44	N78-28594 *	#	NASA-CASE-NPO-14272-1	c 25	N81-33246 *	#	NASA-CASE-NPO-15155-1	c 74	N85-22139 *	#
NASA-CASE-NPO-13823-1	c 37	N81-25371 *	#	NASA-CASE-NPO-14273-1	c 25	N82-11444 *	#	NASA-CASE-NPO-15161-1	c 33	N84-16456 *	#
NASA-CASE-NPO-13828-1	c 37	N79-11405 *	#	NASA-CASE-NPO-14295-1	c 76	N80-32245 *	#	NASA-CASE-NPO-15179-1	c 44	N82-26777 *	#
NASA-CASE-NPO-13830-1	c 32	N80-14281 *	#	NASA-CASE-NPO-14297-1	c 33	N81-19389 *	#	NASA-CASE-NPO-15183-1	c 44	N82-26776 *	#
NASA-CASE-NPO-13836-1	c 32	N78-15323 *	#	NASA-CASE-NPO-14298-1	c 76	N80-32244 *	#	NASA-CASE-NPO-15197-1	c 52	N83-25346 *	#
NASA-CASE-NPO-13839-1	c 31	N78-25256 *	#	NASA-CASE-NPO-14303-1	c 44	N80-18550 *	#	NASA-CASE-NPO-15201-1	c 36	N83-35350 *	#
NASA-CASE-NPO-13847-2	c 85	N79-17747 *	#	NASA-CASE-NPO-14305-1	c 44	N80-18550 *	#	NASA-CASE-NPO-15202-1	c 27	N83-34043 *	#
NASA-CASE-NPO-13848-2	c 85	N79-17747 *	#	NASA-CASE-NPO-14311-1	c 33	N82-29539 *	#	NASA-CASE-NPO-15210-1	c 25	N84-22709 *	#
NASA-CASE-NPO-13849-1	c 28	N80-10374 *	#	NASA-CASE-NPO-14315-1	c 27	N81-17261 *	#	NASA-CASE-NPO-15213-1	c 51	N83-17045 *	#
NASA-CASE-NPO-13858-1	c 28	N79-11231 *	#	NASA-CASE-NPO-14316-1	c 33	N81-33404 *	#	NASA-CASE-NPO-15220-1	c 45	N83-25217 *	#
NASA-CASE-NPO-13859-1	c 28	N79-11231 *	#	NASA-CASE-NPO-14324-1	c 72	N80-27163 *	#	NASA-CASE-NPO-15227-1	c 37	N81-33482 *	#
NASA-CASE-NPO-13862-1	c 35	N79-10391 *	#	NASA-CASE-NPO-14328-1	c 32	N80-18253 *	#	NASA-CASE-NPO-15251-1	c 31	N83-31897 *	#
NASA-CASE-NPO-13867-1	c 27	N78-14164 *	#	NASA-CASE-NPO-14329-1	c 52	N81-20703 *	#	NASA-CASE-NPO-15264-1	c 04	N84-27713 *	#
NASA-CASE-NPO-13872-1	c 33	N78-10377 *	#	NASA-CASE-NPO-14340-1	c 45	N80-14579 *	#	NASA-CASE-NPO-15269-1	c 44	N82-29710 *	#
NASA-CASE-NPO-13877-1	c 45	N82-11634 *	#	NASA-CASE-NPO-14350-1	c 33	N80-14332 *	#	NASA-CASE-NPO-15292-1	c 35	N83-27184 *	#
NASA-CASE-NPO-13886-1	c 32	N78-24391 *	#	NASA-CASE-NPO-14361-1	c 32	N82-23376 *	#	NASA-CASE-NPO-15295-1	c 60	N85-21992 *	#
NASA-CASE-NPO-13899-1	c 27	N80-32515 *	#	NASA-CASE-NPO-14362-1	c 32	N80-16261 *	#	NASA-CASE-NPO-15304-1	c 25	N83-31743 *	#
NASA-CASE-NPO-13904-1	c 25	N79-11152 *	#	NASA-CASE-NPO-14363-1	c 39	N81-25400 *	#	NASA-CASE-NPO-15334-1	c 71	N83-35781 *	#
NASA-CASE-NPO-13906-1	c 54	N79-24652 *	#	NASA-CASE-NPO-14369-1	c 44	N83-10501 *	#	NASA-CASE-NPO-15341-1	c 35	N84-33769 *	#
NASA-CASE-NPO-13907-1	c 28	N80-10374 *	#	NASA-CASE-NPO-14372-1	c 35	N80-26635 *	#	NASA-CASE-NPO-15342-1	c 60	N83-32342 *	#
NASA-CASE-NPO-13909-1	c 33	N78-25319 *	#	NASA-CASE-NPO-14382-1	c 31	N80-18231 *	#	NASA-CASE-NPO-15345-1	c 74	N84-23247 *	#
NASA-CASE-NPO-13910-1	c 52	N79-27836 *	#								

REPORT NUMBER INDEX

NASA-CASE-XGS-01513

NASA-CASE-NPO-15400-1	c 34	N83-31993 * #	NASA-CASE-NPO-16392-1	c 25	N86-25428 * #	NASA-CASE-XAC-06302	c 08	N71-19763 *
NASA-CASE-NPO-15401-1	c 32	N83-27085 * #	NASA-CASE-NPO-16394-1	c 76	N85-20906 * #	NASA-CASE-XAC-06956	c 15	N71-21177 *
NASA-CASE-NPO-15419-2	c 44	N85-30474 * #	NASA-CASE-NPO-16414-1-CU	c 32	N85-29121 * #	NASA-CASE-XAC-07043	c 05	N71-23161 *
NASA-CASE-NPO-15423-1	c 35	N84-28016 * #	NASA-CASE-NPO-16420-1	c 33	N86-20681 * #	NASA-CASE-XAC-08494	c 30	N71-15990 *
NASA-CASE-NPO-15426-1	c 35	N84-17555 * #	NASA-CASE-NPO-16433-1	c 36	N86-20778 * #	NASA-CASE-XAC-08972	c 02	N71-20570 *
NASA-CASE-NPO-15430-1	c 46	N85-21846 * #	NASA-CASE-NPO-16461-1-CU	c 60	N86-23283 * #	NASA-CASE-XAC-08981	c 09	N69-39897 * #
NASA-CASE-NPO-15432-1	c 32	N85-29117 * #	NASA-CASE-NPO-16462-1-CU	c 60	N86-24225 * #	NASA-CASE-XAC-09489-1	c 15	N71-26673 *
NASA-CASE-NPO-15433-1	c 32	N85-21428 * #	NASA-CASE-NPO-16464-1-CU	c 60	N86-24224 * #	NASA-CASE-XAC-10019	c 15	N71-23809 *
NASA-CASE-NPO-15435-1	c 71	N83-36846 * #	NASA-CASE-NPO-16467-1-CU	c 33	N86-24908 * #	NASA-CASE-XAC-10607	c 10	N71-23669 *
NASA-CASE-NPO-15453-1	c 71	N83-32515 * #	NASA-CASE-NPO-16479-1-CU	c 35	N86-32695 * #	NASA-CASE-XAC-10608-1	c 09	N71-12517 * #
NASA-CASE-NPO-15458-1	c 25	N84-12262 * #	NASA-CASE-NPO-16494-1-CU	c 34	N85-29182 * #	NASA-CASE-XAC-10768	c 09	N71-18830 *
NASA-CASE-NPO-15464-1	c 74	N85-29749 * #	NASA-CASE-NPO-16497-1-CU	c 36	N86-20779 * #	NASA-CASE-XAC-10770-1	c 16	N71-24828 *
NASA-CASE-NPO-15465-1	c 34	N84-22903 * #	NASA-CASE-NPO-16526-1-CU	c 44	N87-17399 * #	NASA-CASE-XAC-11225	c 14	N69-27486 * #
NASA-CASE-NPO-15466-1	c 71	N85-22104 * #	NASA-CASE-NPO-16542-1-CU	c 36	N86-20780 * #			
NASA-CASE-NPO-15482-1	c 37	N83-36484 * #	NASA-CASE-NPO-16544-1-CU	c 35	N86-20755 * #	NASA-CASE-XAR-01547	c 05	N69-21473 * #
NASA-CASE-NPO-15483-1	c 37	N85-21650 * #	NASA-CASE-NPO-16558-1-CU	c 74	N86-20129 * #	NASA-CASE-XAR-03786	c 09	N69-21313 *
NASA-CASE-NPO-15494-1	c 35	N82-25484 * #	NASA-CASE-NPO-16567-1-CU	c 36	N86-20777 * #			
NASA-CASE-NPO-15496-1	c 44	N84-23018 * #	NASA-CASE-NPO-16584-1-CU	c 76	N86-25269 * #	NASA-CASE-XER-07894	c 09	N71-18721 *
NASA-CASE-NPO-15516-1	c 36	N84-22943 * #	NASA-CASE-NPO-16607-1-CU	c 76	N87-15883 * #	NASA-CASE-XER-07895	c 26	N72-25679 * #
NASA-CASE-NPO-15519-1	c 32	N84-34651 * #	NASA-CASE-NPO-16632-1-CU	c 32	N87-15390 * #	NASA-CASE-XER-07896-2	c 23	N72-22673 * #
NASA-CASE-NPO-15522-1	c 71	N83-32516 * #	NASA-CASE-NPO-16675-1-CU	c 71	N86-20087 * #	NASA-CASE-XER-08476-1	c 26	N72-17820 *
NASA-CASE-NPO-15530-1	c 76	N83-35888 * #	NASA-CASE-NPO-16681-1-CU	c 76	N86-21401 * #	NASA-CASE-XER-09213	c 07	N71-12390 *
NASA-CASE-NPO-15539-1	c 37	N82-11469 * #	NASA-CASE-NPO-16734-1-CU	c 31	N86-27467 * #	NASA-CASE-XER-09519	c 14	N71-18483 *
NASA-CASE-NPO-15547-1	c 72	N84-16959 * #	NASA-CASE-NPO-16750-1-CU	c 74	N87-19064 * #	NASA-CASE-XER-09521	c 09	N72-12136 *
NASA-CASE-NPO-15553-1	c 33	N85-29142 * #	NASA-CASE-NPO-16766-1-CU	c 37	N87-14705 * #	NASA-CASE-XER-11019	c 09	N71-23598 *
NASA-CASE-NPO-15558-1	c 35	N84-34705 * #	NASA-CASE-NPO-16784-1	c 33	N87-10231 * #	NASA-CASE-XER-11046-2	c 33	N74-22864 * #
NASA-CASE-NPO-15559-1	c 71	N85-30765 * #	NASA-CASE-NPO-16869-1-CU	c 74	N86-33138 * #	NASA-CASE-XER-11046	c 09	N72-22203 * #
NASA-CASE-NPO-15560-1	c 33	N85-21491 * #	NASA-CASE-NPO-16892-1-CU	c 37	N87-14704 * #	NASA-CASE-XER-11203	c 14	N71-28994 *
NASA-CASE-NPO-15562-1	c 71	N82-27086 * #	NASA-CASE-NPO-16901-1-CU	c 31	N87-15327 * #			
NASA-CASE-NPO-15592-1	c 71	N84-16940 * #	NASA-CASE-NPO-16904-1-CU	c 32	N87-18691 * #	NASA-CASE-XFR-00181	c 21	N70-33279 *
NASA-CASE-NPO-15625-1	c 76	N83-20789 * #	NASA-CASE-NPO-16907-1-CU	c 25	N87-18625 * #	NASA-CASE-XFR-00756	c 02	N71-13421 * #
NASA-CASE-NPO-15629-1	c 76	N84-35113 * #	NASA-CASE-NPO-16932-1-CU	c 33	N87-15413 * #	NASA-CASE-XFR-00811	c 15	N70-36901 * #
NASA-CASE-NPO-15640-1	c 27	N84-22748 * #	NASA-CASE-NPO-16949-1-CU	c 62	N87-19021 * #	NASA-CASE-XFR-00929	c 31	N70-34966 * #
NASA-CASE-NPO-15644-1	c 35	N84-33767 * #	NASA-CASE-NPO-16964-1-CU	c 33	N87-15414 * #	NASA-CASE-XFR-02007	c 12	N71-24692 *
NASA-CASE-NPO-15651-1	c 43	N85-21723 * #				NASA-CASE-XFR-03107	c 09	N71-19449 *
NASA-CASE-NPO-15656-1	c 43	N84-23012 * #	NASA-CASE-NSTL-10	c 45	N84-12654 * #	NASA-CASE-XFR-03802	c 33	N71-23085 *
NASA-CASE-NPO-15658-1	c 26	N86-32551 * #				NASA-CASE-XFR-04104	c 03	N70-42073 * #
NASA-CASE-NPO-15662-1	c 44	N84-28204 * #	NASA-CASE-NUC-10107-1	c 33	N74-17930 * #	NASA-CASE-XFR-04147	c 11	N71-10748 *
NASA-CASE-NPO-15689-1	c 71	N84-23233 * #				NASA-CASE-XFR-05302	c 15	N71-23254 *
NASA-CASE-NPO-15696-1	c 33	N85-34333 * #	NASA-CASE-WLP-10002	c 15	N72-17451 * #	NASA-CASE-XFR-05421	c 15	N71-22994 *
NASA-CASE-NPO-15704-1	c 32	N85-34327 * #	NASA-CASE-WLP-10055-1	c 35	N84-28015 * #	NASA-CASE-XFR-05637	c 09	N71-19480 *
NASA-CASE-NPO-15706-1	c 35	N84-28017 * #	NASA-CASE-WLP-10055-2	c 35	N85-21598 * #	NASA-CASE-XFR-07172	c 05	N71-27234 *
NASA-CASE-NPO-15722-1	c 35	N85-29212 * #				NASA-CASE-XFR-07658-1	c 05	N71-26293 *
NASA-CASE-NPO-15743-1	c 32	N85-29118 * #	NASA-CASE-WOO-00428-1	c 32	N79-19186 * #	NASA-CASE-XFR-08403	c 05	N71-11202 * #
NASA-CASE-NPO-15753-1	c 27	N84-33589 * #	NASA-CASE-WOO-00625	c 37	N78-17385 * #	NASA-CASE-XFR-09479	c 14	N69-27503 *
NASA-CASE-NPO-15759-1	c 35	N85-21596 * #				NASA-CASE-XFR-10856	c 05	N71-11189 *
NASA-CASE-NPO-15767-1	c 23	N84-16255 * #	NASA-CASE-XAC-00001	c 15	N71-28952 *			
NASA-CASE-NPO-15772-1	c 76	N85-29800 * #	NASA-CASE-XAC-00030	c 14	N70-34820 * #	NASA-CASE-XGS-00131	c 09	N70-38995 * #
NASA-CASE-NPO-15786-1	c 76	N84-35112 * #	NASA-CASE-XAC-00042	c 14	N70-34816 * #	NASA-CASE-XGS-00174	c 08	N70-34743 * #
NASA-CASE-NPO-15789-1	c 31	N83-19947 * #	NASA-CASE-XAC-00048	c 02	N71-29128 * #	NASA-CASE-XGS-00260	c 31	N70-37924 * #
NASA-CASE-NPO-15790-1	c 36	N85-21631 * #	NASA-CASE-XAC-00060	c 09	N70-39915 * #	NASA-CASE-XGS-00359	c 14	N70-34158 * #
NASA-CASE-NPO-15800-2	c 76	N85-22178 * #	NASA-CASE-XAC-00073	c 14	N70-34813 * #	NASA-CASE-XGS-00373	c 23	N71-15978 *
NASA-CASE-NPO-15801-1	c 74	N85-23396 * #	NASA-CASE-XAC-00074	c 15	N70-34817 * #	NASA-CASE-XGS-00381	c 09	N70-34819 * #
NASA-CASE-NPO-15805-1	c 74	N84-28590 * #	NASA-CASE-XAC-00086	c 09	N70-33182 * #	NASA-CASE-XGS-00458	c 09	N70-38604 * #
NASA-CASE-NPO-15808-1	c 44	N84-34792 * #	NASA-CASE-XAC-00139	c 02	N70-34856 * #	NASA-CASE-XGS-00466	c 21	N70-34297 * #
NASA-CASE-NPO-15811-1	c 76	N84-12968 * #	NASA-CASE-XAC-00319	c 25	N70-41628 * #	NASA-CASE-XGS-00473	c 03	N70-38713 * #
NASA-CASE-NPO-15813-1	c 76	N85-30922 * #	NASA-CASE-XAC-00399	c 11	N70-34815 * #	NASA-CASE-XGS-00587	c 15	N70-35087 * #
NASA-CASE-NPO-15813-2	c 76	N85-30933 * #	NASA-CASE-XAC-00404	c 08	N70-40125 * #	NASA-CASE-XGS-00619	c 30	N70-40016 * #
NASA-CASE-NPO-15813-2	c 76	N87-15882 * #	NASA-CASE-XAC-00405	c 05	N70-41819 * #	NASA-CASE-XGS-00689	c 08	N70-34787 * #
NASA-CASE-NPO-15851-1	c 37	N85-21652 * #	NASA-CASE-XAC-00435	c 09	N70-35440 * #	NASA-CASE-XGS-00740	c 21	N70-32098 *
NASA-CASE-NPO-15865-1	c 74	N85-34629 * #	NASA-CASE-XAC-00472	c 15	N70-40180 * #	NASA-CASE-XGS-00769	c 14	N70-41647 * #
NASA-CASE-NPO-15890-1-CU	c 33	N85-29143 * #	NASA-CASE-XAC-00648	c 14	N70-40400 * #	NASA-CASE-XGS-00783	c 30	N71-17788 *
NASA-CASE-NPO-15904-1	c 76	N86-28760 * #	NASA-CASE-XAC-00731	c 11	N71-15960 * #	NASA-CASE-XGS-00809	c 21	N70-35427 * #
NASA-CASE-NPO-15920-1	c 33	N85-21493 * #	NASA-CASE-XAC-00812	c 14	N71-15598 * #	NASA-CASE-XGS-00823	c 10	N71-15910 *
NASA-CASE-NPO-15924-1	c 25	N85-35253 * #	NASA-CASE-XAC-00942	c 10	N71-16042 * #	NASA-CASE-XGS-00824	c 15	N71-16078 *
NASA-CASE-NPO-15928-1	c 26	N85-29005 * #	NASA-CASE-XAC-01101	c 14	N70-41957 * #	NASA-CASE-XGS-00829-1	c 44	N79-19447 * #
NASA-CASE-NPO-15935-1	c 33	N83-12334 * #	NASA-CASE-XAC-01158	c 15	N71-23051 * #	NASA-CASE-XGS-00886	c 03	N71-11053 * #
NASA-CASE-NPO-15939-1	c 43	N86-19711 * #	NASA-CASE-XAC-01404	c 05	N70-41581 * #	NASA-CASE-XGS-00938	c 32	N70-41367 * #
NASA-CASE-NPO-15949-1	c 85	N85-34722 * #	NASA-CASE-XAC-01591	c 31	N71-17729 * #	NASA-CASE-XGS-00963	c 15	N69-39735 * #
NASA-CASE-NPO-15960-1	c 37	N86-19604 * #	NASA-CASE-XAC-01662	c 14	N71-23037 * #	NASA-CASE-XGS-01013	c 14	N71-23725 *
NASA-CASE-NPO-15977-1-CU	c 33	N86-20673 * #	NASA-CASE-XAC-01677	c 09	N71-20816 * #	NASA-CASE-XGS-01021	c 08	N71-21042 *
NASA-CASE-NPO-15980-1	c 36	N85-30305 * #	NASA-CASE-XAC-02058	c 02	N71-16087 * #	NASA-CASE-XGS-01022	c 07	N71-16088 *
NASA-CASE-NPO-16000-1	c 36	N85-29264 * #	NASA-CASE-XAC-02405	c 09	N71-16089 * #	NASA-CASE-XGS-01023	c 14	N71-22992 *
NASA-CASE-NPO-16021-1	c 33	N85-30187 * #	NASA-CASE-XAC-02407	c 14	N69-27423 * #	NASA-CASE-XGS-01036	c 14	N70-40003 * #
NASA-CASE-NPO-16022-1	c 71	N85-22105 * #	NASA-CASE-XAC-02807	c 09	N71-23021 * #	NASA-CASE-XGS-01052	c 14	N71-15992 *
NASA-CASE-NPO-16027-1	c 35	N85-21597 * #	NASA-CASE-XAC-02877	c 14	N70-41681 * #	NASA-CASE-XGS-01110	c 07	N69-24334 * #
NASA-CASE-NPO-16030-1	c 36	N84-25037 * #	NASA-CASE-XAC-02970	c 14	N69-39896 * #	NASA-CASE-XGS-01118	c 10	N71-23662 *
NASA-CASE-NPO-16038-1	c 37	N86-19605 * #	NASA-CASE-XAC-02981	c 14	N71-21072 * #	NASA-CASE-XGS-01143	c 31	N71-15647 * #
NASA-CASE-NPO-16045-1	c 76	N87-13313 * #	NASA-CASE-XAC-03107	c 23	N71-16098 * #	NASA-CASE-XGS-01155	c 10	N71-21483 *
NASA-CASE-NPO-16103-1	c 27	N85-29043 * #	NASA-CASE-XAC-03392	c 03	N70-41954 * #	NASA-CASE-XGS-01159	c 21	N71-10678 *
NASA-CASE-NPO-16112-1	c 33	N86-19516 * #	NASA-CASE-XAC-03740	c 14	N71-26135 * #	NASA-CASE-XGS-01222	c 10	N71-20841 *
NASA-CASE-NPO-16135-1	c 25	N83-24572 * #	NASA-CASE-XAC-03777	c 10	N71-15909 * #	NASA-CASE-XGS-01223	c 07	N71-10609 * #
NASA-CASE-NPO-16142-1-CU	c 35	N86-20752 * #	NASA-CASE-XAC-04030	c 10	N71-19472 * #	NASA-CASE-XGS-01230	c 08	N71-19544 *
NASA-CASE-NPO-16147-1-CU	c 71	N85-29693 * #	NASA-CASE-XAC-04031	c 08	N71-18594 * #	NASA-CASE-XGS-01231	c 14	N70-41676 * #
NASA-CASE-NPO-16155-1	c 44	N85-30475 * #	NASA-CASE-XAC-04458	c 14	N71-24232 * #	NASA-CASE-XGS-01245-1	c 35	N79-33449 * #
NASA-CASE-NPO-16171-1-CU	c 04	N86-27270 * #	NASA-CASE-XAC-04885	c 14	N71-23790 * #	NASA-CASE-XGS-01286-1	c 37	N79-33469 * #
NASA-CASE-NPO-16203-1	c 23	N85-35227 * #	NASA-CASE-XAC-04886-1	c 14	N71-20439 * #	NASA-CASE-XGS-01293-1	c 35	N79-33450 * #
NASA-CASE-NPO-16233-1	c 37	N86-20801 * #	NASA-CASE-XAC-05333	c 11	N71-22875 * #	NASA-CASE-XGS-01331	c 14	N71-22996 *
NASA-CASE-NPO-16236-1	c 44	N86-27706 * #	NASA-CASE-XAC-05422	c 04	N71-23185 * #	NASA-CASE-XGS-01395	c 03	N69-21539 * #
NASA-CASE-NPO-16257-1	c 31	N85-29082 * #	NASA-CASE-XAC-05462-2	c 10	N72-17171 * #	NASA-CASE-XGS-01418	c 09	N71-23573 *
NASA-CASE-NPO-16271-1	c 35	N86-25753 * #	NASA-CASE-XAC-05506-1	c 24	N71-16095 * #	NASA-CASE-XGS-01419	c 03	N70-41864 * #
NASA-CASE-NPO-16299-1	c 33	N87-14594 * #	NASA-CASE-XAC-05632	c 32	N71-23971 * #	NASA-CASE-XGS-01451	c 09	N71-10677 * #
NASA-CASE-NPO-16306-1-CU	c 76	N85-30934 * #	NASA-CASE-XAC-05695	c 25	N71-16073 * #	NASA-CASE-XGS-01473	c 09	N71-10673 * #
NASA-CASE-NPO-16321-1-CU	c 37	N87-17034 * #	NASA-CASE-XAC-05706	c 05	N71-12342 * #	NASA-CASE-XGS-01475	c 03	N71-11058 * #
NASA-CASE-NPO-163371-1	c 33	N85-20251 * #	NASA-CASE-XAC-05902	c 11	N71-18578 * #	NASA-CASE-XGS-01504	c 16	N70-41578 * #
NASA-CASE-NPO-16372-1	c 72	N86-33127 * #	NASA-CASE-XAC-06029-1	c 31	N71-24813 * #	NASA-CASE-XGS-01513	c 03	N71-23336 *

NASA-CASE-XGS-01537	c 07	N71-23405 *	NASA-CASE-XGS-05584-1	c 25	N82-29370 * #	NASA-CASE-XLA-00327	c 25	N71-29184 *
NASA-CASE-XGS-01587	c 14	N71-15962 *	NASA-CASE-XGS-05680	c 14	N71-17585 *	NASA-CASE-XLA-00330	c 33	N70-34540 * #
NASA-CASE-XGS-01590	c 07	N71-12392 * #	NASA-CASE-XGS-05715	c 23	N71-16100 *	NASA-CASE-XLA-00349	c 33	N70-37979 * #
NASA-CASE-XGS-01593	c 03	N70-35408 *	NASA-CASE-XGS-05718	c 26	N71-16037 *	NASA-CASE-XLA-00350	c 02	N70-38011 * #
NASA-CASE-XGS-01654	c 31	N71-24750 *	NASA-CASE-XGS-05918	c 07	N69-39974 * #	NASA-CASE-XLA-00377	c 33	N71-17610 *
NASA-CASE-XGS-01674	c 03	N71-29129 *	NASA-CASE-XGS-06226	c 10	N71-25950 *	NASA-CASE-XLA-00378	c 11	N71-15925 *
NASA-CASE-XGS-01725	c 14	N69-39982 * #	NASA-CASE-XGS-06306	c 17	N71-16044 *	NASA-CASE-XLA-00414	c 07	N70-38200 * #
NASA-CASE-XGS-01784	c 10	N71-20782 *	NASA-CASE-XGS-06628	c 24	N71-16213 *	NASA-CASE-XLA-00415	c 15	N71-16079 *
NASA-CASE-XGS-01812	c 07	N71-23001 *	NASA-CASE-XGS-07375-1	c 25	N82-29370 * #	NASA-CASE-XLA-00471	c 08	N70-34778 * #
NASA-CASE-XGS-01881	c 09	N70-40123 * #	NASA-CASE-XGS-07397-1	c 25	N82-29370 * #	NASA-CASE-XLA-00481	c 14	N70-36824 * #
NASA-CASE-XGS-01971	c 15	N71-15922 *	NASA-CASE-XGS-07514	c 23	N71-16099 *	NASA-CASE-XLA-00482	c 15	N70-36409 * #
NASA-CASE-XGS-01983	c 10	N70-41964 * #	NASA-CASE-XGS-07752	c 14	N73-30390 * #	NASA-CASE-XLA-00487	c 14	N70-40157 * #
NASA-CASE-XGS-02011	c 15	N71-20739 *	NASA-CASE-XGS-07801	c 09	N71-12513 *	NASA-CASE-XLA-00492	c 14	N70-34799 * #
NASA-CASE-XGS-02171	c 09	N69-24324 * #	NASA-CASE-XGS-07805	c 15	N72-33476 * #	NASA-CASE-XLA-00493	c 11	N70-34786 * #
NASA-CASE-XGS-02290	c 07	N71-28809 *	NASA-CASE-XGS-08259	c 14	N71-23698 *	NASA-CASE-XLA-00495	c 14	N70-41332 * #
NASA-CASE-XGS-02317	c 09	N71-23525 *	NASA-CASE-XGS-08266	c 14	N69-27432 * #	NASA-CASE-XLA-00670	c 08	N71-12501 * #
NASA-CASE-XGS-02319	c 14	N71-22965 *	NASA-CASE-XGS-08269	c 23	N71-26206 *	NASA-CASE-XLA-00675	c 25	N70-33267 * #
NASA-CASE-XGS-02401	c 14	N69-27485 * #	NASA-CASE-XGS-08679	c 10	N71-21473 *	NASA-CASE-XLA-00678	c 31	N70-34296 * #
NASA-CASE-XGS-02422	c 15	N71-21529 *	NASA-CASE-XGS-08718	c 15	N71-24600 *	NASA-CASE-XLA-00679	c 15	N70-38601 * #
NASA-CASE-XGS-02435	c 18	N71-22998 *	NASA-CASE-XGS-08729	c 28	N71-14044 * #	NASA-CASE-XLA-00686	c 31	N70-34135 * #
NASA-CASE-XGS-02437	c 15	N69-21472 * #	NASA-CASE-XGS-09186	c 33	N78-17295 * #	NASA-CASE-XLA-00711	c 03	N71-12258 * #
NASA-CASE-XGS-02439	c 14	N71-19431 *	NASA-CASE-XGS-09190	c 31	N71-16102 *	NASA-CASE-XLA-00754	c 15	N70-34850 *
NASA-CASE-XGS-02440	c 08	N71-19432 *	NASA-CASE-XGS-10010	c 03	N72-15986 * #	NASA-CASE-XLA-00755	c 01	N71-13410 * #
NASA-CASE-XGS-02441	c 15	N70-41629 * #	NASA-CASE-XGS-10518	c 16	N71-28554 *	NASA-CASE-XLA-00781	c 09	N71-22999 * #
NASA-CASE-XGS-02554	c 31	N71-21064 *	NASA-CASE-XGS-11177	c 09	N71-27001 *	NASA-CASE-XLA-00791	c 03	N70-39930 * #
NASA-CASE-XGS-02607	c 31	N71-23009 *	NASA-CASE-XHQ-01208	c 15	N70-35409 * #	NASA-CASE-XLA-00793	c 21	N71-22880 * #
NASA-CASE-XGS-02608	c 07	N70-41678 * #	NASA-CASE-XHQ-01897	c 28	N70-35381 * #	NASA-CASE-XLA-00805	c 31	N70-38010 * #
NASA-CASE-XGS-02610	c 14	N71-23174 *	NASA-CASE-XHQ-02146	c 18	N75-27040 * #	NASA-CASE-XLA-00806	c 02	N70-34858 * #
NASA-CASE-XGS-02612	c 08	N71-19435 *	NASA-CASE-XHQ-03673	c 33	N71-29046 *	NASA-CASE-XLA-00838	c 03	N70-36778 * #
NASA-CASE-XGS-02629	c 14	N71-21082 *	NASA-CASE-XHQ-03903	c 15	N69-21922 * #	NASA-CASE-XLA-00892	c 33	N71-17897 * #
NASA-CASE-XGS-02630	c 03	N71-22974 *	NASA-CASE-XHQ-04106	c 14	N70-40240 * #	NASA-CASE-XLA-00898	c 02	N70-36804 * #
NASA-CASE-XGS-02631	c 03	N71-23006 *	NASA-CASE-XKS-01985	c 15	N71-10782 * #	NASA-CASE-XLA-00901	c 07	N71-10775 * #
NASA-CASE-XGS-02749	c 07	N69-39978 * #	NASA-CASE-XKS-02342	c 05	N71-11199 * #	NASA-CASE-XLA-00934	c 14	N71-22765 * #
NASA-CASE-XGS-02751	c 09	N71-23015 *	NASA-CASE-XKS-02582	c 15	N71-21234 *	NASA-CASE-XLA-00936	c 14	N71-14996 * #
NASA-CASE-XGS-02812	c 09	N71-19466 *	NASA-CASE-XKS-03338	c 15	N71-24043 *	NASA-CASE-XLA-00937	c 31	N71-17691 * #
NASA-CASE-XGS-02816	c 07	N69-24323 * #	NASA-CASE-XKS-03381	c 09	N71-22796 *	NASA-CASE-XLA-00939	c 11	N71-15926 * #
NASA-CASE-XGS-02884	c 15	N71-22705 *	NASA-CASE-XKS-03495	c 14	N69-39785 * #	NASA-CASE-XLA-00941	c 14	N71-23240 *
NASA-CASE-XGS-02889	c 07	N71-11282 * #	NASA-CASE-XKS-03509	c 14	N71-23175 *	NASA-CASE-XLA-01019	c 15	N70-40156 * #
NASA-CASE-XGS-03058	c 10	N71-19547 *	NASA-CASE-XKS-04614	c 15	N69-21460 * #	NASA-CASE-XLA-01027	c 31	N71-24035 * #
NASA-CASE-XGS-03095	c 09	N69-27463 * #	NASA-CASE-XKS-04631	c 10	N71-23663 *	NASA-CASE-XLA-01043	c 28	N71-10780 * #
NASA-CASE-XGS-03120	c 15	N71-24047 *	NASA-CASE-XKS-05932	c 09	N71-26787 *	NASA-CASE-XLA-01090	c 07	N71-12389 * #
NASA-CASE-XGS-03230	c 14	N71-23401 *	NASA-CASE-XKS-06167	c 08	N71-24890 *	NASA-CASE-XLA-01090	c 16	N71-28963 * #
NASA-CASE-XGS-03303	c 08	N71-18595 *	NASA-CASE-XKS-06250	c 14	N71-15600 * #	NASA-CASE-XLA-01127	c 15	N71-10672 * #
NASA-CASE-XGS-03304	c 09	N71-22988 *	NASA-CASE-XKS-07814	c 15	N71-27067 *	NASA-CASE-XLA-01131	c 07	N70-41372 * #
NASA-CASE-XGS-03351	c 31	N71-16081 *	NASA-CASE-XKS-07953	c 15	N71-26134 *	NASA-CASE-XLA-01141	c 14	N71-10774 * #
NASA-CASE-XGS-03390	c 03	N71-23187 *	NASA-CASE-XKS-08012-2	c 31	N71-15566 *	NASA-CASE-XLA-01163	c 15	N71-13789 * #
NASA-CASE-XGS-03427	c 10	N71-23029 *	NASA-CASE-XKS-08485	c 07	N71-19493 *	NASA-CASE-XLA-01219	c 21	N71-15582 * #
NASA-CASE-XGS-03429	c 03	N69-21330 * #	NASA-CASE-XKS-09340	c 07	N71-24614 *	NASA-CASE-XLA-01220	c 10	N71-23084 *
NASA-CASE-XGS-03431	c 21	N71-15642 *	NASA-CASE-XKS-09348	c 07	N71-13521 * #	NASA-CASE-XLA-01243	c 02	N70-41863 * #
NASA-CASE-XGS-03501	c 09	N71-20864 *	NASA-CASE-XKS-10543	c 09	N71-26292 *	NASA-CASE-XLA-01262	c 33	N71-22792 * #
NASA-CASE-XGS-03502	c 10	N71-20852 *	NASA-CASE-XKS-10804	c 07	N71-24606 *	NASA-CASE-XLA-01288	c 15	N71-21404 *
NASA-CASE-XGS-03505	c 03	N71-10608 * #		c 05		NASA-CASE-XLA-01290	c 09	N69-21470 * #
NASA-CASE-XGS-03532	c 14	N71-17627 *				NASA-CASE-XLA-01291	c 02	N70-42016 * #
NASA-CASE-XGS-03556	c 27	N70-35534 * #	NASA-CASE-XLA-00013	c 15	N71-29136 *	NASA-CASE-XLA-01291	c 33	N70-36617 * #
NASA-CASE-XGS-03632	c 09	N71-23311 *	NASA-CASE-XLA-00062	c 14	N70-33254 *	NASA-CASE-XLA-01326	c 11	N71-21481 * #
NASA-CASE-XGS-03644	c 16	N71-18614 * #	NASA-CASE-XLA-00087	c 02	N70-33332 *	NASA-CASE-XLA-01332	c 31	N71-15664 * #
NASA-CASE-XGS-03736	c 14	N72-22443 * #	NASA-CASE-XLA-00100	c 14	N70-36807 * #	NASA-CASE-XLA-01339	c 31	N71-15692 * #
NASA-CASE-XGS-03864	c 15	N69-24320 * #	NASA-CASE-XLA-00105	c 28	N70-33331 *	NASA-CASE-XLA-01353	c 14	N70-41366 * #
NASA-CASE-XGS-03865	c 14	N69-21363 * #	NASA-CASE-XLA-00112	c 11	N70-33287 *	NASA-CASE-XLA-01354	c 25	N70-36946 * #
NASA-CASE-XGS-04047-2	c 03	N72-11062 *	NASA-CASE-XLA-00113	c 11	N70-33287 *	NASA-CASE-XLA-01396	c 03	N71-12259 * #
NASA-CASE-XGS-04119	c 18	N69-39979 * #	NASA-CASE-XLA-00115	c 14	N70-33386 *	NASA-CASE-XLA-01400	c 07	N70-41331 * #
NASA-CASE-XGS-04173	c 19	N71-26674 *	NASA-CASE-XLA-00117	c 03	N70-33343 *	NASA-CASE-XLA-01401	c 15	N71-21179 * #
NASA-CASE-XGS-04175	c 15	N71-18579 *	NASA-CASE-XLA-00118	c 31	N71-17680 *	NASA-CASE-XLA-01441	c 15	N70-41679 * #
NASA-CASE-XGS-04224	c 10	N71-26418 *	NASA-CASE-XLA-00119	c 05	N70-33285 *	NASA-CASE-XLA-01446	c 15	N71-21528 * #
NASA-CASE-XGS-04227	c 15	N71-21744 *	NASA-CASE-XLA-00120	c 11	N70-33329 *	NASA-CASE-XLA-01486	c 15	N71-23497 * #
NASA-CASE-XGS-04393	c 21	N71-14159 * #	NASA-CASE-XLA-00128	c 21	N70-33181 *	NASA-CASE-XLA-01494	c 01	N71-23497 * #
NASA-CASE-XGS-04478	c 14	N71-24233 *	NASA-CASE-XLA-00135	c 15	N70-37925 * #	NASA-CASE-XLA-01530	c 15	N71-24164 * #
NASA-CASE-XGS-04480	c 16	N69-27491 * #	NASA-CASE-XLA-00136	c 14	N70-33322 *	NASA-CASE-XLA-01551	c 14	N71-22989 * #
NASA-CASE-XGS-04531	c 03	N69-24267 * #	NASA-CASE-XLA-00141	c 15	N70-33310 *	NASA-CASE-XLA-01552	c 07	N71-11284 * #
NASA-CASE-XGS-04548	c 15	N71-24045 *	NASA-CASE-XLA-00142	c 31	N70-37981 * #	NASA-CASE-XLA-01583	c 02	N70-36825 * #
NASA-CASE-XGS-04554	c 15	N69-39786 * #	NASA-CASE-XLA-00147	c 09	N70-33312 *	NASA-CASE-XLA-01584	c 14	N71-23269 * #
NASA-CASE-XGS-04765	c 08	N71-18693 *	NASA-CASE-XLA-00149	c 02	N70-33286 *	NASA-CASE-XLA-01731	c 32	N71-21045 * #
NASA-CASE-XGS-04766	c 08	N71-18602 *	NASA-CASE-XLA-00154	c 25	N70-34661 * #	NASA-CASE-XLA-01745	c 33	N71-28903 * #
NASA-CASE-XGS-04767	c 08	N71-12494 * #	NASA-CASE-XLA-00158	c 31	N70-37938 * #	NASA-CASE-XLA-01781	c 14	N69-39975 * #
NASA-CASE-XGS-04768	c 08	N71-19437 *	NASA-CASE-XLA-00165	c 28	N70-33374 *	NASA-CASE-XLA-01782	c 14	N71-26136 * #
NASA-CASE-XGS-04799	c 18	N71-24183 *	NASA-CASE-XLA-00166	c 26	N70-36805 * #	NASA-CASE-XLA-01787	c 11	N71-16028 * #
NASA-CASE-XGS-04808	c 03	N69-25146 * #	NASA-CASE-XLA-00183	c 31	N70-33242 *	NASA-CASE-XLA-01791	c 14	N71-22991 * #
NASA-CASE-XGS-04879	c 14	N71-20428 *	NASA-CASE-XLA-00188	c 02	N70-34178 * #	NASA-CASE-XLA-01794	c 33	N71-21586 * #
NASA-CASE-XGS-04987	c 08	N71-20571 *	NASA-CASE-XLA-00189	c 14	N70-40239 * #	NASA-CASE-XLA-01804	c 02	N70-34160 * #
NASA-CASE-XGS-04993	c 14	N71-17574 *	NASA-CASE-XLA-00195	c 15	N71-22874 *	NASA-CASE-XLA-01807	c 15	N71-10799 * #
NASA-CASE-XGS-04994	c 09	N69-21543 * #	NASA-CASE-XLA-00203	c 33	N70-36846 * #	NASA-CASE-XLA-01808	c 15	N71-20740 * #
NASA-CASE-XGS-04999	c 09	N69-24317 * #	NASA-CASE-XLA-00204	c 02	N70-38009 * #	NASA-CASE-XLA-01832	c 14	N71-21006 * #
NASA-CASE-XGS-05003	c 09	N69-24318 * #	NASA-CASE-XLA-00220	c 14	N70-34161 * #	NASA-CASE-XLA-01907	c 14	N71-23268 * #
NASA-CASE-XGS-05180	c 18	N71-25881 *	NASA-CASE-XLA-00221	c 32	N70-36536 * #	NASA-CASE-XLA-01926	c 14	N71-15620 * #
NASA-CASE-XGS-05211	c 07	N69-39980 * #	NASA-CASE-XLA-00223	c 30	N70-40309 * #	NASA-CASE-XLA-01952	c 08	N71-12507 * #
NASA-CASE-XGS-05289	c 09	N71-19470 *	NASA-CASE-XLA-00229	c 02	N70-33266 *	NASA-CASE-XLA-01967	c 31	N70-42015 * #
NASA-CASE-XGS-05290	c 09	N71-25999 *	NASA-CASE-XLA-00230	c 12	N70-33305 *	NASA-CASE-XLA-01987	c 23	N71-23976 * #
NASA-CASE-XGS-05291	c 23	N71-16341 *	NASA-CASE-XLA-00241	c 02	N70-33255 *	NASA-CASE-XLA-01989	c 21	N70-34295 * #
NASA-CASE-XGS-05432	c 03	N71-19438 *	NASA-CASE-XLA-00256	c 31	N70-37986 * #	NASA-CASE-XLA-01995	c 18	N71-23047 * #
NASA-CASE-XGS-05434	c 03	N71-20491 *	NASA-CASE-XLA-00258	c 31	N71-15663 * #	NASA-CASE-XLA-02050	c 31	N71-22968 * #
NASA-CASE-XGS-05441	c 10	N71-22962 *	NASA-CASE-XLA-00281	c 31	N70-38676 * #	NASA-CASE-XLA-02057	c 26	N70-40015 * #
NASA-CASE-XGS-05532	c 06	N71-17705 *	NASA-CASE-XLA-00284	c 21	N70-36943 * #	NASA-CASE-XLA-02059	c 33	N71-24276 * #
NASA-CASE-XGS-05533	c 04	N69-27487 * #	NASA-CASE-XLA-00302	c 15	N71-16075 *	NASA-CASE-XLA-02079	c 12	N71-16894 * #
NASA-CASE-XGS-05534	c 23	N71-16355 *	NASA-CASE-XLA-00304	c 15	N71-16077 *	NASA-CASE-XLA-02081	c 20	N71-16281 * #
NASA-CASE-XGS-05579	c 31	N71-15676 *	NASA-CASE-XLA-00326	c 27	N70-34783 * #	NASA-CASE-XLA-02131	c 32	N70-42003 * #
NASA-CASE-XGS-05582	c 07	N69-27460 * #		c 03	N70-34667 * #	NASA-CASE-XLA-02132	c 31	N71-10582 * #

REPORT NUMBER INDEX

NASA-CASE-XLE-06461

NASA-CASE-XLA-02332	c 32	N71-17609 *	NASA-CASE-XLA-08646	c 14	N71-17586 *	NASA-CASE-XLE-00787	c 14	N71-21090 *
NASA-CASE-XLA-02551	c 21	N71-21708 *	NASA-CASE-XLA-08799	c 10	N71-27272 *	NASA-CASE-XLE-00808	c 24	N71-10560 *
NASA-CASE-XLA-02605	c 14	N71-10773 #	NASA-CASE-XLA-08801-1	c 02	N71-11043 #	NASA-CASE-XLE-00810	c 15	N70-34861 #
NASA-CASE-XLA-02609	c 09	N72-25256 #	NASA-CASE-XLA-08802	c 06	N71-11238 #	NASA-CASE-XLE-00815	c 15	N70-35407 #
NASA-CASE-XLA-02619	c 10	N71-26334 *	NASA-CASE-XLA-08911	c 15	N71-27214 *	NASA-CASE-XLE-00817	c 28	N70-33265 *
NASA-CASE-XLA-02651	c 28	N70-41967 #	NASA-CASE-XLA-08913	c 14	N71-28933 *	NASA-CASE-XLE-00820	c 14	N71-16014 *
NASA-CASE-XLA-02704	c 11	N69-21540 #	NASA-CASE-XLA-08916-2	c 14	N73-28487 #	NASA-CASE-XLE-00953	c 15	N71-15966 *
NASA-CASE-XLA-02705	c 08	N71-15908 *	NASA-CASE-XLA-08916	c 15	N71-29018 *	NASA-CASE-XLE-01015	c 03	N69-39898 #
NASA-CASE-XLA-02758	c 14	N71-18481 *	NASA-CASE-XLA-08966-1	c 17	N71-25903 *	NASA-CASE-XLE-01092	c 15	N71-22797 *
NASA-CASE-XLA-02809	c 15	N71-22982 *	NASA-CASE-XLA-08967	c 02	N71-27088 *	NASA-CASE-XLE-01124	c 28	N71-14043 *
NASA-CASE-XLA-02810	c 14	N71-25901 *	NASA-CASE-XLA-09122	c 15	N69-27505 #	NASA-CASE-XLE-01182	c 27	N71-15635 *
NASA-CASE-XLA-02850	c 09	N71-20447 *	NASA-CASE-XLA-09346	c 15	N71-28740 *	NASA-CASE-XLE-01246	c 14	N71-10797 #
NASA-CASE-XLA-02854	c 15	N69-27490 #	NASA-CASE-XLA-09371	c 10	N71-18724 *	NASA-CASE-XLE-01300	c 15	N70-41993 #
NASA-CASE-XLA-02865	c 28	N71-15563 *	NASA-CASE-XLA-09480	c 11	N71-33612 *	NASA-CASE-XLE-01399	c 33	N71-15625 *
NASA-CASE-XLA-02865	c 05	N71-20268 *	NASA-CASE-XLA-09843	c 15	N72-27485 #	NASA-CASE-XLE-01449	c 15	N70-41646 #
NASA-CASE-XLA-02898	c 07	N71-11266 #	NASA-CASE-XLA-09881	c 31	N71-16085 *	NASA-CASE-XLE-01481	c 14	N71-10781 #
NASA-CASE-XLA-03076	c 14	N71-21079 *	NASA-CASE-XLA-10322	c 15	N72-17452 #	NASA-CASE-XLE-01512	c 12	N70-40124 *
NASA-CASE-XLA-03102	c 25	N71-21693 *	NASA-CASE-XLA-10402	c 14	N71-29041 *	NASA-CASE-XLE-01533	c 11	N71-10777 #
NASA-CASE-XLA-03103	c 06	N71-11235 #	NASA-CASE-XLA-10450	c 28	N71-21493 *	NASA-CASE-XLE-01604-2	c 15	N71-15610 #
NASA-CASE-XLA-03104	c 15	N69-27483 #	NASA-CASE-XLA-10470	c 15	N72-21489 #	NASA-CASE-XLE-01609	c 14	N71-10500 #
NASA-CASE-XLA-03105	c 09	N71-22888 *	NASA-CASE-XLA-10772	c 07	N71-28980 *	NASA-CASE-XLE-01640	c 31	N71-15637 *
NASA-CASE-XLA-03114	c 11	N71-10776 #	NASA-CASE-XLA-11028-1	c 24	N74-27035 #	NASA-CASE-XLE-01645	c 03	N71-23090 *
NASA-CASE-XLA-03127	c 31	N71-22969 #	NASA-CASE-XLA-11154	c 07	N72-21117 #	NASA-CASE-XLE-01716	c 09	N70-40234 #
NASA-CASE-XLA-03132	c 32	N71-16428 *	NASA-CASE-XLA-11189	c 10	N72-20222 #	NASA-CASE-XLE-01765	c 18	N71-10772 #
NASA-CASE-XLA-03135	c 05	N71-11207 #	NASA-CASE-XLA-1349	c 20	N77-17143 *	NASA-CASE-XLE-01783	c 28	N70-34175 #
NASA-CASE-XLA-03213	c 11	N69-24321 #	NASA-CASE-XLA-8914-2	c 25	N82-21269 #	NASA-CASE-XLE-01902	c 28	N71-10574 #
NASA-CASE-XLA-03271	c 14	N71-18699 *	NASA-CASE-XLA-8914	c 15	N73-12492 #	NASA-CASE-XLE-01903	c 22	N71-23599 *
NASA-CASE-XLA-03273	c 10	N71-23315 *	NASA-CASE-XLE-00005	c 28	N70-39899 #	NASA-CASE-XLE-01988	c 27	N71-15634 *
NASA-CASE-XLA-03356	c 25	N71-15562 *	NASA-CASE-XLE-00010	c 15	N70-33382 *	NASA-CASE-XLE-01997	c 06	N71-23527 *
NASA-CASE-XLA-03374	c 16	N71-24074 *	NASA-CASE-XLE-00011	c 14	N70-41946 #	NASA-CASE-XLE-02008	c 09	N71-21583 *
NASA-CASE-XLA-03375	c 16	N71-25914 *	NASA-CASE-XLE-00020	c 15	N70-33226 *	NASA-CASE-XLE-02024	c 14	N71-22964 *
NASA-CASE-XLA-03410	c 15	N71-22713 *	NASA-CASE-XLE-00023	c 15	N70-33226 *	NASA-CASE-XLE-02038	c 09	N71-16086 *
NASA-CASE-XLA-03492	c 15	N71-23052 *	NASA-CASE-XLE-00027	c 33	N71-29152 *	NASA-CASE-XLE-02062-1	c 20	N80-14188 #
NASA-CASE-XLA-03497	c 15	N71-24897 *	NASA-CASE-XLE-00035	c 33	N71-29151 *	NASA-CASE-XLE-02066	c 28	N71-15661 *
NASA-CASE-XLA-03538	c 14	N71-20430 *	NASA-CASE-XLE-00037	c 28	N70-33372 *	NASA-CASE-XLE-02082	c 17	N71-16026 *
NASA-CASE-XLA-03645	c 02	N71-11041 #	NASA-CASE-XLE-00046	c 15	N70-33311 *	NASA-CASE-XLE-02083	c 03	N69-39983 #
NASA-CASE-XLA-03659	c 15	N71-21060 *	NASA-CASE-XLE-00057	c 28	N70-38711 #	NASA-CASE-XLE-02367-1	c 31	N79-21225 #
NASA-CASE-XLA-03660	c 15	N71-33518 *	NASA-CASE-XLE-00078	c 28	N70-33284 *	NASA-CASE-XLE-02428	c 17	N70-33288 *
NASA-CASE-XLA-03661	c 31	N71-15674 *	NASA-CASE-XLE-00085	c 28	N70-39895 #	NASA-CASE-XLE-02531	c 05	N71-23080 *
NASA-CASE-XLA-03724	c 14	N69-27461 #	NASA-CASE-XLE-00092	c 15	N70-33264 *	NASA-CASE-XLE-02545-1	c 76	N79-21910 #
NASA-CASE-XLA-03893	c 10	N71-27271 *	NASA-CASE-XLE-00101	c 15	N70-33376 *	NASA-CASE-XLE-02578	c 25	N71-20747 *
NASA-CASE-XLA-04063	c 31	N71-33160 *	NASA-CASE-XLE-00103	c 28	N70-33241 *	NASA-CASE-XLE-02624	c 12	N69-39988 #
NASA-CASE-XLA-04126	c 28	N71-26779 *	NASA-CASE-XLE-00106	c 15	N71-16076 *	NASA-CASE-XLE-02647	c 18	N71-23658 *
NASA-CASE-XLA-04143	c 15	N71-17687 *	NASA-CASE-XLE-00111	c 28	N70-38199 #	NASA-CASE-XLE-02792	c 26	N71-10607 #
NASA-CASE-XLA-04251	c 18	N71-26100 *	NASA-CASE-XLE-00143	c 14	N70-36618 #	NASA-CASE-XLE-02798	c 26	N71-23654 *
NASA-CASE-XLA-04295	c 16	N71-24170 *	NASA-CASE-XLE-00144	c 28	N70-34860 #	NASA-CASE-XLE-02823	c 09	N71-23443 #
NASA-CASE-XLA-04451	c 02	N71-12243 #	NASA-CASE-XLE-00145	c 28	N70-36806 #	NASA-CASE-XLE-02824	c 03	N69-39890 #
NASA-CASE-XLA-04555-1	c 14	N71-25892 *	NASA-CASE-XLE-00150	c 28	N70-41818 #	NASA-CASE-XLE-02902	c 25	N71-21694 #
NASA-CASE-XLA-04556	c 14	N69-27484 #	NASA-CASE-XLE-00151	c 17	N70-33283 *	NASA-CASE-XLE-02991	c 17	N71-16025 #
NASA-CASE-XLA-04556	c 32	N71-16106 *	NASA-CASE-XLE-00155	c 28	N71-29154 *	NASA-CASE-XLE-02998	c 14	N70-42074 #
NASA-CASE-XLA-04605	c 03	N70-41580 #	NASA-CASE-XLE-00164	c 15	N70-36411 #	NASA-CASE-XLE-02999	c 15	N71-16052 *
NASA-CASE-XLA-04622	c 31	N71-23008 *	NASA-CASE-XLE-00168	c 11	N70-33278 *	NASA-CASE-XLE-03061-1	c 10	N71-24798 *
NASA-CASE-XLA-04804	c 31	N72-22482 #	NASA-CASE-XLE-00170	c 15	N70-36412 #	NASA-CASE-XLE-03157	c 28	N79-21084 #
NASA-CASE-XLA-04897	c 31	N71-24315 *	NASA-CASE-XLE-00177	c 28	N70-40367 #	NASA-CASE-XLE-03186-1	c 09	N71-23093 *
NASA-CASE-XLA-04901	c 14	N72-28438 #	NASA-CASE-XLE-00207	c 28	N70-33375 *	NASA-CASE-XLE-03280	c 14	N71-14035 #
NASA-CASE-XLA-04980-2	c 09	N69-27422 #	NASA-CASE-XLE-00208	c 28	N70-33375 *	NASA-CASE-XLE-03307	c 33	N71-24145 #
NASA-CASE-XLA-05056	c 15	N71-11389 *	NASA-CASE-XLE-00209	c 22	N73-32528 #	NASA-CASE-XLE-03432	c 33	N71-21819 *
NASA-CASE-XLA-05087	c 14	N73-30391 #	NASA-CASE-XLE-00212	c 03	N70-34134 #	NASA-CASE-XLE-03494	c 27	N71-21819 *
NASA-CASE-XLA-05099	c 09	N73-13209 #	NASA-CASE-XLE-00222	c 02	N70-37939 #	NASA-CASE-XLE-03512	c 12	N69-21466 #
NASA-CASE-XLA-05100	c 15	N71-17696 *	NASA-CASE-XLE-00228	c 17	N70-38490 #	NASA-CASE-XLE-03583	c 31	N71-17629 *
NASA-CASE-XLA-05332	c 05	N71-11194 #	NASA-CASE-XLE-00231	c 17	N70-38198 #	NASA-CASE-XLE-03629	c 17	N71-23248 *
NASA-CASE-XLA-05369	c 31	N71-15687 *	NASA-CASE-XLE-00243	c 14	N70-38602 #	NASA-CASE-XLE-03778	c 09	N69-21542 #
NASA-CASE-XLA-05378	c 11	N71-21475 *	NASA-CASE-XLE-00252	c 11	N70-36616 #	NASA-CASE-XLE-03803-2	c 15	N71-17651 *
NASA-CASE-XLA-05464	c 21	N71-14132 #	NASA-CASE-XLE-00266	c 14	N70-34844 #	NASA-CASE-XLE-03803	c 15	N71-23816 *
NASA-CASE-XLA-05541	c 12	N71-26387 *	NASA-CASE-XLE-00267	c 14	N70-34156 #	NASA-CASE-XLE-03804	c 10	N71-19471 *
NASA-CASE-XLA-05749	c 15	N71-19569 *	NASA-CASE-XLE-00283	c 28	N70-33356 *	NASA-CASE-XLE-03925	c 18	N71-22894 *
NASA-CASE-XLA-05828	c 01	N71-13411 #	NASA-CASE-XLE-00288	c 17	N70-36616 #	NASA-CASE-XLE-03940-2	c 17	N72-28536 #
NASA-CASE-XLA-05906	c 31	N71-16221 *	NASA-CASE-XLE-00303	c 15	N70-34247 #	NASA-CASE-XLE-03940	c 18	N71-26153 *
NASA-CASE-XLA-05966	c 15	N72-12408 *	NASA-CASE-XLE-00323	c 15	N70-36535 #	NASA-CASE-XLE-04026	c 14	N71-23267 *
NASA-CASE-XLA-06095	c 01	N69-39981 #	NASA-CASE-XLE-00335	c 28	N70-38505 #	NASA-CASE-XLE-04222	c 23	N71-22881 *
NASA-CASE-XLA-06199	c 15	N71-24875 *	NASA-CASE-XLE-00342	c 14	N70-35368 #	NASA-CASE-XLE-04250	c 09	N71-20446 *
NASA-CASE-XLA-06232	c 25	N71-20563 *	NASA-CASE-XLE-00345	c 28	N70-37980 #	NASA-CASE-XLE-04501	c 09	N71-23190 *
NASA-CASE-XLA-06339	c 02	N71-13422 #	NASA-CASE-XLE-00353	c 15	N70-38020 #	NASA-CASE-XLE-04503	c 14	N71-24864 *
NASA-CASE-XLA-06683	c 14	N72-28436 #	NASA-CASE-XLE-00376	c 18	N70-39897 #	NASA-CASE-XLE-04526	c 03	N71-11052 #
NASA-CASE-XLA-06713	c 14	N71-28991 *	NASA-CASE-XLE-00387	c 28	N70-37245 #	NASA-CASE-XLE-04535	c 03	N71-23354 *
NASA-CASE-XLA-06824-2	c 02	N71-11037 #	NASA-CASE-XLE-00388	c 33	N70-34812 #	NASA-CASE-XLE-04599	c 22	N72-20597 #
NASA-CASE-XLA-06958	c 02	N71-11038 #	NASA-CASE-XLE-00397	c 28	N70-34788 #	NASA-CASE-XLE-04603	c 33	N71-21507 *
NASA-CASE-XLA-07390	c 15	N71-18616 *	NASA-CASE-XLE-00409	c 15	N70-36492 #	NASA-CASE-XLE-04677	c 15	N71-10577 #
NASA-CASE-XLA-07391	c 12	N71-17579 *	NASA-CASE-XLE-00454	c 28	N71-15658 #	NASA-CASE-XLE-04788	c 03	N71-20492 *
NASA-CASE-XLA-07424	c 14	N71-18482 *	NASA-CASE-XLE-00455	c 23	N71-17802 *	NASA-CASE-XLE-04791	c 09	N71-22987 *
NASA-CASE-XLA-07430	c 11	N72-22246 #	NASA-CASE-XLE-00503	c 28	N70-38197 #	NASA-CASE-XLE-04857	c 32	N74-22096 #
NASA-CASE-XLA-07473	c 15	N71-24895 #	NASA-CASE-XLE-00519	c 33	N70-34545 #	NASA-CASE-XLE-04946	c 28	N71-23968 #
NASA-CASE-XLA-07497	c 09	N71-12514 #	NASA-CASE-XLE-00586	c 14	N70-34818 #	NASA-CASE-XLE-05033	c 17	N71-24911 *
NASA-CASE-XLA-07728	c 33	N71-22890 *	NASA-CASE-XLE-00600	c 28	N70-41576 #	NASA-CASE-XLE-05079	c 15	N71-23810 *
NASA-CASE-XLA-07732	c 08	N71-18751 #	NASA-CASE-XLE-00660	c 15	N71-15968 *	NASA-CASE-XLE-05130-2	c 15	N71-17652 *
NASA-CASE-XLA-07788	c 09	N71-29139 #	NASA-CASE-XLE-00685	c 32	N70-41579 #	NASA-CASE-XLE-05230-2	c 15	N71-19570 *
NASA-CASE-XLA-07813	c 14	N72-17328 #	NASA-CASE-XLE-00688	c 28	N70-39925 #	NASA-CASE-XLE-05230	c 14	N69-21362 #
NASA-CASE-XLA-07828	c 08	N71-27057 *	NASA-CASE-XLE-00690	c 28	N70-41992 #	NASA-CASE-XLE-05260	c 14	N72-27410 #
NASA-CASE-XLA-07829	c 15	N72-16329 #	NASA-CASE-XLE-00702	c 14	N70-41330 #	NASA-CASE-XLE-05641-1	c 14	N71-20429 *
NASA-CASE-XLA-07911	c 15	N71-15571 *	NASA-CASE-XLE-00703	c 25	N69-39984 #	NASA-CASE-XLE-05689	c 15	N71-26346 *
NASA-CASE-XLA-08254	c 14	N71-26161 *	NASA-CASE-XLE-00715	c 14	N71-15967 *	NASA-CASE-XLE-05913	c 28	N71-15659 *
NASA-CASE-XLA-08491	c 05	N69-21380 #	NASA-CASE-XLE-00720	c 15	N70-34859 #	NASA-CASE-XLE-06094	c 33	N71-14032 #
NASA-CASE-XLA-08493	c 10	N71-19421 *	NASA-CASE-XLE-00726	c 15	N70-40201 #	NASA-CASE-XLE-06461-2	c 33	N78-17293 #
NASA-CASE-XLA-08507	c 09	N69-39984 #	NASA-CASE-XLE-00785	c 17	N71-15644 *	NASA-CASE-XLE-06461	c 17	N72-28535 #
NASA-CASE-XLA-08530	c 32	N71-25360 *						N72-22530 #
NASA-CASE-XLA-08645	c 15	N69-21465 #						

NASA-CASE-XLE-06773	c 15	N71-23817 *	NASA-CASE-XMF-02307	c 14	N71-10779 *	NASA-CASE-XMF-10289	c 14	N71-23699 *
NASA-CASE-XLE-06774-2	c 06	N72-25150 *	NASA-CASE-XMF-02330	c 15	N71-23798 *	NASA-CASE-XMF-10753	c 06	N71-11237 *
NASA-CASE-XLE-06969	c 17	N71-24142 *	NASA-CASE-XMF-02392	c 32	N71-24285 *	NASA-CASE-XMF-10968	c 14	N71-24234 *
NASA-CASE-XLE-07087	c 06	N69-39889 *	NASA-CASE-XMF-02433	c 14	N71-10616 *	NASA-CASE-XMF-14032	c 20	N71-16340 *
NASA-CASE-XLE-08511-2	c 18	N71-16105 *	NASA-CASE-XMF-02526-1	c 27	N79-21190 *	NASA-CASE-XMF-14301	c 09	N71-23188 *
NASA-CASE-XLE-08511	c 18	N71-23710 *	NASA-CASE-XMF-02527-1	c 27	N79-21190 *			
NASA-CASE-XLE-08569-2	c 03	N71-24681 *	NASA-CASE-XMF-02584	c 06	N71-20905 *	NASA-CASE-XMS-00259	c 18	N70-36400 *
NASA-CASE-XLE-08569	c 03	N71-23449 *	NASA-CASE-XMF-02783-1	c 27	N79-21190 *	NASA-CASE-XMS-00486	c 33	N70-33344 *
NASA-CASE-XLE-08917-2	c 15	N71-24836 *	NASA-CASE-XMF-02786	c 17	N71-20743 *	NASA-CASE-XMS-00583	c 28	N70-38504 *
NASA-CASE-XLE-08917	c 15	N71-15597 *	NASA-CASE-XMF-02822	c 14	N70-41994 *	NASA-CASE-XMS-00784	c 05	N71-12335 *
NASA-CASE-XLE-09341	c 12	N71-28741 *	NASA-CASE-XMF-02853	c 31	N70-36654 *	NASA-CASE-XMS-00863	c 05	N70-34857 *
NASA-CASE-XLE-09475-1	c 33	N71-15568 *	NASA-CASE-XMF-02964	c 14	N71-17659 *	NASA-CASE-XMS-00864	c 05	N70-36493 *
NASA-CASE-XLE-09527-2	c 15	N71-26189 *	NASA-CASE-XMF-02966	c 10	N71-24863 *	NASA-CASE-XMS-00893	c 07	N70-40063 *
NASA-CASE-XLE-09527	c 15	N71-17688 *	NASA-CASE-XMF-03074	c 06	N71-24740 *	NASA-CASE-XMS-00907	c 02	N70-41630 *
NASA-CASE-XLE-10326-2	c 15	N72-29488 *	NASA-CASE-XMF-03169	c 31	N71-15675 *	NASA-CASE-XMS-00913	c 10	N71-23543 *
NASA-CASE-XLE-10326-4	c 37	N74-15125 *	NASA-CASE-XMF-03198	c 30	N70-40353 *	NASA-CASE-XMS-00945	c 09	N71-10798 *
NASA-CASE-XLE-10337	c 15	N71-24046 *	NASA-CASE-XMF-03212	c 15	N71-22721 *	NASA-CASE-XMS-01077-1	c 37	N79-33467 *
NASA-CASE-XLE-103477-1	c 28	N71-20330 *	NASA-CASE-XMF-03248	c 11	N71-10604 *	NASA-CASE-XMS-01108	c 15	N69-24322 *
NASA-CASE-XLE-10453-2	c 28	N73-27699 *	NASA-CASE-XMF-03287	c 15	N71-15607 *	NASA-CASE-XMS-01115	c 05	N70-39922 *
NASA-CASE-XLE-10466	c 17	N69-25147 *	NASA-CASE-XMF-03290	c 15	N71-23256 *	NASA-CASE-XMS-01177	c 05	N71-19440 *
NASA-CASE-XLE-10529	c 14	N69-23191 *	NASA-CASE-XMF-03498	c 15	N71-15986 *	NASA-CASE-XMS-01240	c 05	N70-35152 *
NASA-CASE-XLE-10715	c 26	N71-23292 *	NASA-CASE-XMF-03511	c 15	N71-22799 *	NASA-CASE-XMS-01244-1	c 33	N79-33393 *
NASA-CASE-XLE-10717	c 37	N75-29426 *	NASA-CASE-XMF-03793	c 15	N71-24833 *	NASA-CASE-XMS-01295-1	c 37	N79-21345 *
NASA-CASE-XLE-10910	c 18	N71-29040 *	NASA-CASE-XMF-03844-1	c 14	N71-26474 *	NASA-CASE-XMS-01315	c 09	N70-41675 *
NASA-CASE-XLE-2529-2	c 36	N75-27364 *	NASA-CASE-XMF-03856	c 31	N70-34159 *	NASA-CASE-XMS-01330	c 37	N75-27376 *
NASA-CASE-XLE-2529-3	c 33	N74-20859 *	NASA-CASE-XMF-03873	c 06	N69-39733 *	NASA-CASE-XMS-01445	c 12	N71-16031 *
NASA-CASE-XMF-00148	c 28	N70-38710 *	NASA-CASE-XMF-03934	c 09	N71-22985 *	NASA-CASE-XMS-01492	c 05	N70-41297 *
NASA-CASE-XMF-00185	c 21	N70-34539 *	NASA-CASE-XMF-03968	c 14	N71-27186 *	NASA-CASE-XMS-01546	c 14	N70-40233 *
NASA-CASE-XMF-00324	c 09	N70-34596 *	NASA-CASE-XMF-03988	c 15	N71-21403 *	NASA-CASE-XMS-01554	c 10	N71-10578 *
NASA-CASE-XMF-00339	c 15	N70-39896 *	NASA-CASE-XMF-04042	c 15	N71-23023 *	NASA-CASE-XMS-01615	c 05	N70-41329 *
NASA-CASE-XMF-00341	c 15	N70-33323	NASA-CASE-XMF-04132	c 15	N69-27502 *	NASA-CASE-XMS-01618	c 14	N71-20741 *
NASA-CASE-XMF-00369	c 09	N70-36494 *	NASA-CASE-XMF-04134	c 06	N71-20717 *	NASA-CASE-XMS-01620	c 23	N71-15673 *
NASA-CASE-XMF-00375	c 15	N70-34249 *	NASA-CASE-XMF-04163	c 14	N71-23755 *	NASA-CASE-XMS-01624	c 15	N70-40062 *
NASA-CASE-XMF-00389	c 31	N70-34176 *	NASA-CASE-XMF-04208	c 02	N71-23007 *	NASA-CASE-XMS-01625	c 15	N71-23022 *
NASA-CASE-XMF-00392	c 15	N70-34814 *	NASA-CASE-XMF-04237	c 33	N71-29051 *	NASA-CASE-XMS-01816	c 33	N71-15623 *
NASA-CASE-XMF-00411	c 11	N70-36913 *	NASA-CASE-XMF-04238	c 33	N71-16278 *	NASA-CASE-XMS-01905	c 12	N71-21089 *
NASA-CASE-XMF-00421	c 09	N70-34502 *	NASA-CASE-XMF-04367	c 09	N69-39734 *	NASA-CASE-XMS-01906	c 31	N70-41373 *
NASA-CASE-XMF-00424	c 11	N70-38196 *	NASA-CASE-XMF-04415	c 09	N71-23545 *	NASA-CASE-XMS-01991	c 09	N71-21449 *
NASA-CASE-XMF-00437	c 07	N70-40202 *	NASA-CASE-XMF-04494-1	c 14	N71-24693 *	NASA-CASE-XMS-01994-1	c 14	N72-17326 *
NASA-CASE-XMF-00442	c 31	N71-10747 *	NASA-CASE-XMF-04592-1	c 33	N79-33392 *	NASA-CASE-XMS-02009	c 33	N71-20834 *
NASA-CASE-XMF-00447	c 14	N70-33179 *	NASA-CASE-XMF-04593-1	c 20	N79-21125 *	NASA-CASE-XMS-02063	c 03	N71-29044 *
NASA-CASE-XMF-00456	c 14	N70-34705 *	NASA-CASE-XMF-04680	c 20	N79-21125 *	NASA-CASE-XMS-02087	c 09	N70-41717 *
NASA-CASE-XMF-00462	c 14	N70-34298 *	NASA-CASE-XMF-04709	c 15	N71-19489 *	NASA-CASE-XMS-02159	c 10	N71-22961 *
NASA-CASE-XMF-00479	c 14	N70-34794 *	NASA-CASE-XMF-04958-1	c 15	N71-15609 *	NASA-CASE-XMS-02182	c 10	N71-28783 *
NASA-CASE-XMF-00480	c 14	N70-39898 *	NASA-CASE-XMF-04966	c 10	N71-26414 *	NASA-CASE-XMS-02184	c 15	N71-20813 *
NASA-CASE-XMF-00515	c 15	N70-34664 *	NASA-CASE-XMF-05046	c 14	N71-17658 *	NASA-CASE-XMS-02383	c 15	N71-15918 *
NASA-CASE-XMF-00517	c 03	N70-34157 *	NASA-CASE-XMF-05114-2	c 33	N71-28892 *	NASA-CASE-XMS-02399	c 05	N71-22896 *
NASA-CASE-XMF-00580	c 11	N70-35383 *	NASA-CASE-XMF-05114-3	c 15	N71-26148 *	NASA-CASE-XMS-02532	c 15	N70-41808 *
NASA-CASE-XMF-00640	c 15	N70-39924 *	NASA-CASE-XMF-05114-3	c 15	N71-24865 *	NASA-CASE-XMS-02677	c 31	N70-42075 *
NASA-CASE-XMF-00641	c 31	N70-36410 *	NASA-CASE-XMF-05114	c 15	N71-17650 *	NASA-CASE-XMS-02744	c 33	N75-27249 *
NASA-CASE-XMF-00658	c 12	N70-38997 *	NASA-CASE-XMF-05195	c 10	N71-24861 *	NASA-CASE-XMS-02872	c 05	N69-21925 *
NASA-CASE-XMF-00663	c 08	N71-18752 *	NASA-CASE-XMF-05224	c 14	N71-23726 *	NASA-CASE-XMS-02930	c 11	N71-23042 *
NASA-CASE-XMF-00684	c 21	N71-21688 *	NASA-CASE-XMF-05279	c 18	N71-16124 *	NASA-CASE-XMS-02952	c 18	N71-20742 *
NASA-CASE-XMF-00701	c 09	N70-40272 *	NASA-CASE-XMF-05344	c 31	N71-16345 *	NASA-CASE-XMS-02977	c 11	N71-10746 *
NASA-CASE-XMF-00722	c 15	N70-40204 *	NASA-CASE-XMF-05373-1	c 33	N79-21264 *	NASA-CASE-XMS-03252	c 15	N71-10658 *
NASA-CASE-XMF-00906	c 09	N70-41655 *	NASA-CASE-XMF-05757-1	c 31	N79-21227 *	NASA-CASE-XMS-03371	c 05	N70-42000 *
NASA-CASE-XMF-00908	c 14	N70-40238 *	NASA-CASE-XMF-05835	c 08	N71-12504 *	NASA-CASE-XMS-03454	c 09	N71-20658 *
NASA-CASE-XMF-00923	c 28	N70-36802 *	NASA-CASE-XMF-05843	c 03	N71-11055 *	NASA-CASE-XMS-03537	c 15	N69-21471 *
NASA-CASE-XMF-00968	c 28	N71-15660 *	NASA-CASE-XMF-05844	c 14	N71-17587 *	NASA-CASE-XMS-03542	c 09	N71-28926 *
NASA-CASE-XMF-01016	c 26	N71-17818 *	NASA-CASE-XMF-05868	c 26	N75-27125 *	NASA-CASE-XMS-03613	c 31	N71-16346 *
NASA-CASE-XMF-01030	c 18	N70-41583 *	NASA-CASE-XMF-05882	c 35	N75-27329 *	NASA-CASE-XMS-03694-1	c 54	N82-29002 *
NASA-CASE-XMF-01045	c 15	N70-40354 *	NASA-CASE-XMF-05941	c 31	N71-23912 *	NASA-CASE-XMS-03700	c 15	N69-24266 *
NASA-CASE-XMF-01049	c 15	N71-23049 *	NASA-CASE-XMF-05964-1	c 20	N79-21124 *	NASA-CASE-XMS-03722	c 15	N71-21530 *
NASA-CASE-XMF-01083	c 15	N71-22723 *	NASA-CASE-XMF-05999	c 15	N71-29032 *	NASA-CASE-XMS-03745	c 15	N71-21076 *
NASA-CASE-XMF-01096	c 10	N71-16030 *	NASA-CASE-XMF-06053	c 26	N75-27126 *	NASA-CASE-XMS-03792	c 14	N70-41812 *
NASA-CASE-XMF-01097	c 10	N71-16058 *	NASA-CASE-XMF-06065	c 15	N71-20395 *	NASA-CASE-XMS-04061-1	c 09	N69-39885 *
NASA-CASE-XMF-01099	c 14	N71-15969 *	NASA-CASE-XMF-06092	c 07	N71-24612 *	NASA-CASE-XMS-04072	c 15	N70-42017 *
NASA-CASE-XMF-01129	c 09	N70-38712 *	NASA-CASE-XMF-06409	c 06	N71-23230 *	NASA-CASE-XMS-04142	c 31	N70-41631 *
NASA-CASE-XMF-01160	c 07	N71-11298 *	NASA-CASE-XMF-06515	c 14	N71-23227 *	NASA-CASE-XMS-04170	c 05	N71-22748 *
NASA-CASE-XMF-01174	c 02	N70-41589 *	NASA-CASE-XMF-06519	c 09	N71-12519 *	NASA-CASE-XMS-04178	c 15	N71-22798 *
NASA-CASE-XMF-01371	c 15	N70-41829 *	NASA-CASE-XMF-06531	c 14	N71-17575 *	NASA-CASE-XMS-04201	c 14	N71-22990 *
NASA-CASE-XMF-01402	c 18	N71-21651 *	NASA-CASE-XMF-06589	c 05	N71-23159 *	NASA-CASE-XMS-04212-1	c 05	N71-12346 *
NASA-CASE-XMF-01452	c 15	N70-41371 *	NASA-CASE-XMF-06617	c 09	N71-24843 *	NASA-CASE-XMS-04213-1	c 09	N71-26002 *
NASA-CASE-XMF-01483	c 14	N69-27431 *	NASA-CASE-XMF-06884-1	c 20	N79-21123 *	NASA-CASE-XMS-04215-1	c 09	N69-39987 *
NASA-CASE-XMF-01543	c 31	N71-17730 *	NASA-CASE-XMF-06888	c 15	N71-24044 *	NASA-CASE-XMS-04268	c 33	N71-16277 *
NASA-CASE-XMF-01544	c 28	N70-34162 *	NASA-CASE-XMF-06892	c 09	N71-24805 *	NASA-CASE-XMS-04269	c 16	N71-22895 *
NASA-CASE-XMF-01598	c 21	N71-15583 *	NASA-CASE-XMF-06900-1	c 27	N79-21191 *	NASA-CASE-XMS-04292	c 15	N71-22722 *
NASA-CASE-XMF-01599	c 09	N71-20705 *	NASA-CASE-XMF-06926	c 28	N71-22983 *	NASA-CASE-XMS-04300	c 09	N71-19479 *
NASA-CASE-XMF-01667	c 15	N71-17647 *	NASA-CASE-XMF-07069	c 15	N71-23815 *	NASA-CASE-XMS-04312	c 07	N71-22984 *
NASA-CASE-XMF-01669	c 21	N71-23289 *	NASA-CASE-XMF-07488	c 11	N71-18773 *	NASA-CASE-XMS-04318	c 15	N69-27871 *
NASA-CASE-XMF-01730	c 15	N71-23050 *	NASA-CASE-XMF-07587	c 15	N71-18701 *	NASA-CASE-XMS-04390	c 31	N70-41871 *
NASA-CASE-XMF-01772	c 11	N70-41677 *	NASA-CASE-XMF-07770-2	c 18	N71-26772 *	NASA-CASE-XMS-04533	c 15	N71-23086 *
NASA-CASE-XMF-01779	c 12	N71-20815 *	NASA-CASE-XMF-07808	c 15	N71-23812 *	NASA-CASE-XMS-04545	c 15	N71-22878 *
NASA-CASE-XMF-01813	c 28	N70-41582 *	NASA-CASE-XMF-08217	c 03	N71-23239 *	NASA-CASE-XMS-04625	c 05	N71-20718 *
NASA-CASE-XMF-01887	c 15	N71-10617 *	NASA-CASE-XMF-08522	c 15	N71-19486 *	NASA-CASE-XMS-04670	c 54	N78-17678 *
NASA-CASE-XMF-01892	c 10	N71-22966 *	NASA-CASE-XMF-08523	c 31	N71-20396 *	NASA-CASE-XMS-04798	c 11	N71-21474 *
NASA-CASE-XMF-01899	c 31	N70-41948 *	NASA-CASE-XMF-08651	c 06	N71-11236 *	NASA-CASE-XMS-04826	c 28	N71-28849 *
NASA-CASE-XMF-01973	c 31	N70-41588 *	NASA-CASE-XMF-08652	c 06	N71-11243 *	NASA-CASE-XMS-04843	c 03	N69-21469 *
NASA-CASE-XMF-01974	c 14	N71-22752 *	NASA-CASE-XMF-08655	c 06	N71-11239 *	NASA-CASE-XMS-04890-1	c 15	N70-22192 *
NASA-CASE-XMF-02039	c 15	N71-15871 *	NASA-CASE-XMF-08656	c 06	N71-11242 *	NASA-CASE-XMS-04917	c 14	N69-24257 *
NASA-CASE-XMF-02107	c 15	N71-10809 *	NASA-CASE-XMF-08665	c 10	N71-19467 *	NASA-CASE-XMS-04919	c 09	N71-23270 *
NASA-CASE-XMF-02108	c 31	N70-36845 *	NASA-CASE-XMF-08674	c 06	N71-28807 *	NASA-CASE-XMS-04928	c 54	N78-17679 *
NASA-CASE-XMF-02221	c 18	N71-27170 *	NASA-CASE-XMF-08804	c 09	N71-24717 *	NASA-CASE-XMS-04935	c 05	N71-11190 *
NASA-CASE-XMF-02263	c 05	N74-10907 *	NASA-CASE-XMF-09422	c 07	N71-19436 *	NASA-CASE-XMS-05303	c 07	N69-27462 *
NASA-CASE-XMF-02303	c 17	N71-23828 *	NASA-CASE-XMF-09902	c 15	N72-11387 *	NASA-CASE-XMS-05304	c 05	N71-12362 *
			NASA-CASE-XMF-10040	c 15	N71-22877 *	NASA-CASE-XMS-05307	c 09	N69-24330 *

REPORT NUMBER INDEX

NASA-CASE-XMS-05365	c 14	N71-22993 *	NASA-CASE-XNP-01056	c 14	N71-23041 *	NASA-CASE-XNP-03918	c 14	N71-23087 *
NASA-CASE-XMS-05454-1	c 07	N71-12391 *	NASA-CASE-XNP-01057	c 07	N71-15907 *	NASA-CASE-XNP-03930	c 14	N69-24331 *
NASA-CASE-XMS-05516	c 15	N71-17803 *	NASA-CASE-XNP-01058	c 09	N71-12540 *	NASA-CASE-XNP-03972	c 15	N71-23048 *
NASA-CASE-XMS-05562-1	c 09	N69-39986 *	NASA-CASE-XNP-01059	c 23	N71-21821 *	NASA-CASE-XNP-04023	c 06	N71-28808 *
NASA-CASE-XMS-05605-1	c 10	N71-19468 *	NASA-CASE-XNP-01068	c 10	N71-28739 *	NASA-CASE-XNP-04067	c 08	N71-22707 *
NASA-CASE-XMS-05731	c 35	N75-29382 *	NASA-CASE-XNP-01104	c 28	N70-39931 *	NASA-CASE-XNP-04111	c 14	N71-15622 *
NASA-CASE-XMS-05890	c 09	N71-23191 *	NASA-CASE-XNP-01107	c 10	N71-28859 *	NASA-CASE-XNP-04124	c 28	N71-21822 *
NASA-CASE-XMS-05894-1	c 15	N69-21924 *	NASA-CASE-XNP-01152	c 15	N70-41811 *	NASA-CASE-XNP-04148	c 17	N71-24830 *
NASA-CASE-XMS-05909-1	c 14	N69-27459 *	NASA-CASE-XNP-01153	c 32	N71-17645 *	NASA-CASE-XNP-04161	c 14	N71-15599 *
NASA-CASE-XMS-05936	c 14	N70-41682 *	NASA-CASE-XNP-01185	c 26	N73-28710 *	NASA-CASE-XNP-04162-1	c 08	N70-34675 *
NASA-CASE-XMS-06056-1	c 23	N71-24857 *	NASA-CASE-XNP-01187	c 15	N73-28516 *	NASA-CASE-XNP-04167-2	c 25	N72-24753 *
NASA-CASE-XMS-06061	c 05	N71-23317 *	NASA-CASE-XNP-01188	c 15	N73-32361 *	NASA-CASE-XNP-04167-3	c 36	N77-19416 *
NASA-CASE-XMS-06064	c 05	N71-23096 *	NASA-CASE-XNP-01193	c 10	N71-16057 *	NASA-CASE-XNP-04180	c 07	N69-39736 *
NASA-CASE-XMS-06162	c 31	N71-28851 *	NASA-CASE-XNP-01263-2	c 15	N71-26312 *	NASA-CASE-XNP-04183	c 09	N69-24329 *
NASA-CASE-XMS-06236	c 14	N71-21007 *	NASA-CASE-XNP-01296	c 33	N75-27250 *	NASA-CASE-XNP-04231	c 14	N73-32325 *
NASA-CASE-XMS-06329-1	c 15	N71-20441 *	NASA-CASE-XNP-01306-2	c 09	N71-24596 *	NASA-CASE-XNP-04262-2	c 17	N71-26773 *
NASA-CASE-XMS-06497	c 14	N71-26244 *	NASA-CASE-XNP-01306	c 07	N71-20814 *	NASA-CASE-XNP-04264	c 03	N69-21337 *
NASA-CASE-XMS-06740-1	c 07	N71-26579 *	NASA-CASE-XNP-01307	c 21	N70-41856 *	NASA-CASE-XNP-04338	c 17	N71-23046 *
NASA-CASE-XMS-06761	c 05	N69-23192 *	NASA-CASE-XNP-01310	c 33	N71-28852 *	NASA-CASE-XNP-04339	c 17	N71-29137 *
NASA-CASE-XMS-06767-1	c 14	N71-20435 *	NASA-CASE-XNP-01311	c 26	N75-29236 *	NASA-CASE-XNP-04389	c 28	N71-20942 *
NASA-CASE-XMS-06782	c 32	N71-15974 *	NASA-CASE-XNP-01318	c 10	N71-23033 *	NASA-CASE-XNP-04623	c 10	N71-26103 *
NASA-CASE-XMS-06876	c 15	N71-21536 *	NASA-CASE-XNP-01328	c 26	N71-18064 *	NASA-CASE-XNP-04731	c 15	N71-24042 *
NASA-CASE-XMS-06876	c 09	N69-21467 *	NASA-CASE-XNP-01383	c 09	N71-10659 *	NASA-CASE-XNP-04732	c 09	N71-20851 *
NASA-CASE-XMS-06949	c 07	N71-11300 *	NASA-CASE-XNP-01390	c 28	N70-41275 *	NASA-CASE-XNP-04758	c 03	N71-24605 *
NASA-CASE-XMS-07487	c 15	N71-23255 *	NASA-CASE-XNP-01412	c 15	N70-42034 *	NASA-CASE-XNP-04780	c 08	N71-19687 *
NASA-CASE-XMS-07846-1	c 09	N69-21927 *	NASA-CASE-XNP-01458	c 04	N78-17031 *	NASA-CASE-XNP-04816	c 06	N69-39936 *
NASA-CASE-XMS-08589-1	c 09	N71-20569 *	NASA-CASE-XNP-01464	c 03	N71-10728 *	NASA-CASE-XNP-04817	c 14	N71-23225 *
NASA-CASE-XMS-09310	c 15	N71-22706 *	NASA-CASE-XNP-01466	c 10	N71-26434 *	NASA-CASE-XNP-04819	c 08	N71-23295 *
NASA-CASE-XMS-09352	c 09	N71-23316 *	NASA-CASE-XNP-01472	c 14	N70-41807 *	NASA-CASE-XNP-04969	c 11	N69-27466 *
NASA-CASE-XMS-09571	c 05	N71-19439 *	NASA-CASE-XNP-01501	c 21	N70-41930 *	NASA-CASE-XNP-05082	c 15	N70-41960 *
NASA-CASE-XMS-09610	c 07	N71-24625 *	NASA-CASE-XNP-01567	c 15	N70-41310 *	NASA-CASE-XNP-05219	c 16	N71-15550 *
NASA-CASE-XMS-09632-1	c 05	N71-11203 *	NASA-CASE-XNP-01641	c 15	N71-22997 *	NASA-CASE-XNP-05231	c 14	N73-28491 *
NASA-CASE-XMS-09635	c 05	N71-24623 *	NASA-CASE-XNP-01659	c 14	N71-23039 *	NASA-CASE-XNP-05254	c 07	N71-20791 *
NASA-CASE-XMS-09636	c 05	N71-12344 *	NASA-CASE-XNP-01660	c 14	N71-23036 *	NASA-CASE-XNP-05297	c 15	N71-23811 *
NASA-CASE-XMS-09637-1	c 05	N71-24730 *	NASA-CASE-XNP-01735	c 07	N71-22750 *	NASA-CASE-XNP-05381	c 09	N71-20842 *
NASA-CASE-XMS-09652-1	c 05	N71-26333 *	NASA-CASE-XNP-01747	c 15	N71-23024 *	NASA-CASE-XNP-05382	c 10	N71-23544 *
NASA-CASE-XMS-09653	c 54	N78-17680 *	NASA-CASE-XNP-01749	c 27	N70-41897 *	NASA-CASE-XNP-05415	c 08	N71-12505 *
NASA-CASE-XMS-09690	c 33	N72-25913 *	NASA-CASE-XNP-01753	c 08	N71-22897 *	NASA-CASE-XNP-05429	c 26	N71-21824 *
NASA-CASE-XMS-09691-1	c 18	N71-15545 *	NASA-CASE-XNP-01848	c 15	N71-28959 *	NASA-CASE-XNP-05524	c 33	N71-24876 *
NASA-CASE-XMS-10269	c 05	N71-24147 *	NASA-CASE-XNP-01855	c 15	N71-28937 *	NASA-CASE-XNP-05530	c 14	N73-32321 *
NASA-CASE-XMS-10660-1	c 15	N71-25975 *	NASA-CASE-XNP-01951	c 09	N70-41929 *	NASA-CASE-XNP-05535	c 14	N71-23040 *
NASA-CASE-XMS-10984-1	c 10	N71-19417 *	NASA-CASE-XNP-01954	c 28	N71-28850 *	NASA-CASE-XNP-05612	c 09	N69-21468 *
NASA-CASE-XMS-10993	c 15	N71-28936 *	NASA-CASE-XNP-01959	c 26	N71-23043 *	NASA-CASE-XNP-05634	c 15	N71-24834 *
NASA-CASE-XMS-12158-1	c 31	N69-27499 *	NASA-CASE-XNP-01960	c 09	N71-23027 *	NASA-CASE-XNP-05821	c 03	N71-11056 *
NASA-CASE-XMS-13052	c 14	N71-20427 *	NASA-CASE-XNP-01961	c 26	N71-29156 *	NASA-CASE-XNP-05975	c 15	N69-23185 *
			NASA-CASE-XNP-01962	c 32	N70-41370 *	NASA-CASE-XNP-06028	c 09	N71-23189 *
NASA-CASE-XNP-00214	c 15	N70-36908 *	NASA-CASE-XNP-02029	c 14	N70-41955 *	NASA-CASE-XNP-06031	c 15	N71-15606 *
NASA-CASE-XNP-00217	c 28	N70-38181 *	NASA-CASE-XNP-02092	c 15	N70-42033 *	NASA-CASE-XNP-06032	c 09	N69-21926 *
NASA-CASE-XNP-00234	c 28	N70-38645 *	NASA-CASE-XNP-02139	c 18	N71-24184 *	NASA-CASE-XNP-06234	c 10	N71-27137 *
NASA-CASE-XNP-00249	c 28	N70-38249 *	NASA-CASE-XNP-02140	c 09	N71-23097 *	NASA-CASE-XNP-06503	c 23	N71-29049 *
NASA-CASE-XNP-00250	c 11	N71-28779 *	NASA-CASE-XNP-02251	c 12	N71-20896 *	NASA-CASE-XNP-06505	c 10	N71-24799 *
NASA-CASE-XNP-00294	c 21	N70-36938 *	NASA-CASE-XNP-02278	c 15	N71-28951 *	NASA-CASE-XNP-06506	c 03	N71-11050 *
NASA-CASE-XNP-00384	c 09	N71-13530 *	NASA-CASE-XNP-02340	c 23	N69-24332 *	NASA-CASE-XNP-06507	c 09	N71-23548 *
NASA-CASE-XNP-00416	c 15	N70-36947 *	NASA-CASE-XNP-02341	c 15	N71-21531 *	NASA-CASE-XNP-06508	c 18	N69-39895 *
NASA-CASE-XNP-00425	c 11	N70-38202 *	NASA-CASE-XNP-02389	c 07	N71-28900 *	NASA-CASE-XNP-06509	c 14	N71-23226 *
NASA-CASE-XNP-00431	c 09	N70-38998 *	NASA-CASE-XNP-02500	c 18	N71-27397 *	NASA-CASE-XNP-06510	c 14	N71-23797 *
NASA-CASE-XNP-00432	c 08	N70-35423 *	NASA-CASE-XNP-02507	c 31	N71-17679 *	NASA-CASE-XNP-06611	c 07	N71-26102 *
NASA-CASE-XNP-00438	c 21	N70-35089 *	NASA-CASE-XNP-02588	c 15	N71-18613 *	NASA-CASE-XNP-06914	c 15	N71-21489 *
NASA-CASE-XNP-00449	c 14	N70-35220 *	NASA-CASE-XNP-02592	c 24	N71-20518 *	NASA-CASE-XNP-06933	c 14	N73-32321 *
NASA-CASE-XNP-00450	c 15	N70-38603 *	NASA-CASE-XNP-02595	c 31	N71-21881 *	NASA-CASE-XNP-06936	c 15	N71-24695 *
NASA-CASE-XNP-00459	c 11	N70-38675 *	NASA-CASE-XNP-02654	c 10	N70-42032 *	NASA-CASE-XNP-06937	c 09	N71-19516 *
NASA-CASE-XNP-00463	c 33	N70-36847 *	NASA-CASE-XNP-02713	c 10	N69-39888 *	NASA-CASE-XNP-06942	c 28	N71-23293 *
NASA-CASE-XNP-00465	c 21	N70-35395 *	NASA-CASE-XNP-02723	c 07	N70-41680 *	NASA-CASE-XNP-06957	c 14	N71-21088 *
NASA-CASE-XNP-00476	c 15	N70-38620 *	NASA-CASE-XNP-02748	c 08	N71-22749 *	NASA-CASE-XNP-07040	c 08	N71-12500 *
NASA-CASE-XNP-00477	c 08	N73-28045 *	NASA-CASE-XNP-02778	c 08	N71-22710 *	NASA-CASE-XNP-07169	c 15	N73-32362 *
NASA-CASE-XNP-00540	c 09	N70-35382 *	NASA-CASE-XNP-02791	c 07	N71-23026 *	NASA-CASE-XNP-07477	c 09	N71-26092 *
NASA-CASE-XNP-00595	c 15	N70-34967 *	NASA-CASE-XNP-02792	c 14	N71-28958 *	NASA-CASE-XNP-07478	c 14	N69-21923 *
NASA-CASE-XNP-00597	c 18	N71-23088 *	NASA-CASE-XNP-02839	c 28	N70-41922 *	NASA-CASE-XNP-07481	c 25	N69-21929 *
NASA-CASE-XNP-00610	c 28	N70-36910 *	NASA-CASE-XNP-02862-1	c 15	N71-26294 *	NASA-CASE-XNP-07659	c 06	N71-22975 *
NASA-CASE-XNP-00611	c 09	N70-35219 *	NASA-CASE-XNP-02888	c 18	N71-21068 *	NASA-CASE-XNP-08124-2	c 06	N73-13129 *
NASA-CASE-XNP-00612	c 11	N70-38182 *	NASA-CASE-XNP-02899-1	c 33	N79-21265 *	NASA-CASE-XNP-08124	c 15	N71-27184 *
NASA-CASE-XNP-00614	c 14	N70-36907 *	NASA-CASE-XNP-02923	c 28	N71-23081 *	NASA-CASE-XNP-08274	c 10	N71-13537 *
NASA-CASE-XNP-00637	c 14	N70-40273 *	NASA-CASE-XNP-02982	c 31	N70-41855 *	NASA-CASE-XNP-08567	c 09	N71-26000 *
NASA-CASE-XNP-00644	c 03	N70-36803 *	NASA-CASE-XNP-02983	c 14	N71-21091 *	NASA-CASE-XNP-08680	c 14	N71-22995 *
NASA-CASE-XNP-00646	c 14	N70-35666 *	NASA-CASE-XNP-03063	c 17	N71-23365 *	NASA-CASE-XNP-08832	c 08	N71-12506 *
NASA-CASE-XNP-00650	c 27	N71-28929 *	NASA-CASE-XNP-03128	c 10	N70-41991 *	NASA-CASE-XNP-08835-1	c 37	N80-14395 *
NASA-CASE-XNP-00676	c 15	N70-38996 *	NASA-CASE-XNP-03134	c 07	N71-10676 *	NASA-CASE-XNP-08836	c 09	N71-12515 *
NASA-CASE-XNP-00683	c 09	N70-35425 *	NASA-CASE-XNP-03250	c 06	N71-23500 *	NASA-CASE-XNP-08837	c 18	N71-16210 *
NASA-CASE-XNP-00708	c 14	N70-35394 *	NASA-CASE-XNP-03263	c 09	N71-18843 *	NASA-CASE-XNP-08840	c 23	N71-16365 *
NASA-CASE-XNP-00710	c 15	N71-10778 *	NASA-CASE-XNP-03282	c 28	N72-20758 *	NASA-CASE-XNP-08875	c 10	N71-23099 *
NASA-CASE-XNP-00732	c 28	N70-41447 *	NASA-CASE-XNP-03332	c 09	N71-10618 *	NASA-CASE-XNP-08876	c 17	N73-28573 *
NASA-CASE-XNP-00733	c 06	N70-34946 *	NASA-CASE-XNP-03378	c 03	N71-11051 *	NASA-CASE-XNP-08877	c 15	N71-23025 *
NASA-CASE-XNP-00738	c 09	N70-38201 *	NASA-CASE-XNP-03413	c 03	N71-26726 *	NASA-CASE-XNP-08880	c 09	N71-24808 *
NASA-CASE-XNP-00745	c 10	N71-28960 *	NASA-CASE-XNP-03459-2	c 18	N71-15688 *	NASA-CASE-XNP-08881	c 17	N71-28747 *
NASA-CASE-XNP-00746	c 07	N71-21476 *	NASA-CASE-XNP-03459	c 15	N71-21078 *	NASA-CASE-XNP-08882	c 15	N69-39935 *
NASA-CASE-XNP-00748	c 07	N70-36911 *	NASA-CASE-XNP-03578	c 11	N71-23030 *	NASA-CASE-XNP-08883	c 23	N71-16101 *
NASA-CASE-XNP-00777	c 10	N71-19469 *	NASA-CASE-XNP-03623	c 09	N73-28084 *	NASA-CASE-XNP-08897	c 15	N71-17694 *
NASA-CASE-XNP-00816	c 28	N71-28928 *	NASA-CASE-XNP-03637	c 15	N71-21311 *	NASA-CASE-XNP-08907	c 23	N71-29123 *
NASA-CASE-XNP-00826	c 03	N71-20895 *	NASA-CASE-XNP-03692	c 28	N71-24321 *	NASA-CASE-XNP-08961	c 14	N71-24809 *
NASA-CASE-XNP-00840	c 15	N70-38225 *	NASA-CASE-XNP-03744	c 10	N71-20448 *	NASA-CASE-XNP-09205	c 14	N71-17657 *
NASA-CASE-XNP-00876	c 28	N70-41311 *	NASA-CASE-XNP-03796	c 23	N71-15467 *	NASA-CASE-XNP-09225	c 09	N69-24333 *
NASA-CASE-XNP-00911	c 08	N70-41961 *	NASA-CASE-XNP-03835	c 06	N71-23499 *	NASA-CASE-XNP-09227	c 15	N69-24319 *
NASA-CASE-XNP-00920	c 15	N71-15906 *	NASA-CASE-XNP-03853	c 23	N71-21882 *	NASA-CASE-XNP-09228	c 09	N69-27500 *
NASA-CASE-XNP-00952	c 10	N71-23271 *	NASA-CASE-XNP-03878	c 26	N75-27127 *	NASA-CASE-XNP-09450	c 10	N71-18723 *
NASA-CASE-XNP-01012	c 08	N71-28925 *	NASA-CASE-XNP-03914	c 21	N71-10771 *	NASA-CASE-XNP-09451	c 06	N71-26754 *
NASA-CASE-XNP-01020	c 03	N71-12260 *	NASA-CASE-XNP-03916	c 09	N71-28810 *	NASA-CASE-XNP-09452	c 15	N69-27504 *

NASA-CASE-XNP-09453	c 08	N71-19420 *	US-PATENT-APPL-SN-041164	c 33	N81-19392 *	US-PATENT-APPL-SN-104884	c 15	N72-33476 *
NASA-CASE-XNP-09461	c 28	N72-23809 *	US-PATENT-APPL-SN-043911	c 05	N82-26277 *	US-PATENT-APPL-SN-104885	c 14	N73-24472 *
NASA-CASE-XNP-09462	c 14	N71-17584 *	US-PATENT-APPL-SN-043912	c 43	N81-17499 *	US-PATENT-APPL-SN-105518	c 23	N71-15978 *
NASA-CASE-XNP-09469	c 24	N71-25555 *	US-PATENT-APPL-SN-043913	c 54	N81-27806 *	US-PATENT-APPL-SN-106106	c 91	N74-13130 *
NASA-CASE-XNP-09572	c 14	N71-15621 *	US-PATENT-APPL-SN-043941	c 44	N81-19558 *	US-PATENT-APPL-SN-106118	c 32	N80-16261 *
NASA-CASE-XNP-09698	c 15	N71-18580 *	US-PATENT-APPL-SN-043942	c 06	N82-16075 *	US-PATENT-APPL-SN-106119	c 35	N82-15381 *
NASA-CASE-XNP-09699	c 06	N71-24607 *	US-PATENT-APPL-SN-043943	c 33	N82-24419 *	US-PATENT-APPL-SN-106135	c 28	N70-34294 *
NASA-CASE-XNP-09701	c 14	N71-26475 *	US-PATENT-APPL-SN-043944	c 24	N82-24296 *	US-PATENT-APPL-SN-106136	c 33	N82-26572 *
NASA-CASE-XNP-09702	c 15	N71-17654 *	US-PATENT-APPL-SN-043945	c 47	N82-24779 *	US-PATENT-APPL-SN-106188	c 27	N80-16163 *
NASA-CASE-XNP-09704	c 12	N71-18615 *	US-PATENT-APPL-SN-044431	c 33	N81-27395 *	US-PATENT-APPL-SN-106192	c 34	N83-28356 *
NASA-CASE-XNP-09744	c 27	N71-16392 *	US-PATENT-APPL-SN-044432	c 52	N81-20703 *	US-PATENT-APPL-SN-106424	c 17	N73-24569 *
NASA-CASE-XNP-09750	c 14	N69-39937 *	US-PATENT-APPL-SN-046739	c 54	N81-24724 *	US-PATENT-APPL-SN-106465	c 30	N73-12884 *
NASA-CASE-XNP-09752	c 14	N69-21541 *	US-PATENT-APPL-SN-051269	c 33	N81-24338 *	US-PATENT-APPL-SN-107298	c 32	N73-13921 *
NASA-CASE-XNP-09755	c 46	N74-23069 *	US-PATENT-APPL-SN-051270	c 32	N80-32604 *	US-PATENT-APPL-SN-107376	c 15	N73-25513 *
NASA-CASE-XNP-09759	c 08	N71-24891 *	US-PATENT-APPL-SN-051271	c 33	N81-26359 *	US-PATENT-APPL-SN-107379	c 10	N72-33230 *
NASA-CASE-XNP-09763	c 14	N71-20461 *	US-PATENT-APPL-SN-051272	c 34	N81-26402 *	US-PATENT-APPL-SN-107380	c 28	N73-13773 *
NASA-CASE-XNP-09768	c 09	N71-12516 *	US-PATENT-APPL-SN-051275	c 44	N82-24640 *	US-PATENT-APPL-SN-107659	c 23	N73-20741 *
NASA-CASE-XNP-09770-2	c 15	N72-22483 *	US-PATENT-APPL-SN-051276	c 33	N81-33404 *	US-PATENT-APPL-SN-107866	c 17	N70-36616 *
NASA-CASE-XNP-09770-3	c 11	N71-27036 *	US-PATENT-APPL-SN-053566	c 09	N82-24212 *	US-PATENT-APPL-SN-107870	c 15	N70-36411 *
NASA-CASE-XNP-09770	c 15	N71-20440 *	US-PATENT-APPL-SN-053569	c 35	N81-19426 *	US-PATENT-APPL-SN-108107	c 37	N82-18601 *
NASA-CASE-XNP-09771	c 09	N71-24841 *	US-PATENT-APPL-SN-053571	c 31	N81-19343 *	US-PATENT-APPL-SN-10812	c 28	N70-40367 *
NASA-CASE-XNP-09775	c 09	N71-20445 *	US-PATENT-APPL-SN-053572	c 32	N82-23376 *	US-PATENT-APPL-SN-10827	c 14	N72-28436 *
NASA-CASE-XNP-09776	c 09	N69-39929 *	US-PATENT-APPL-SN-053652	c 33	N82-18494 *	US-PATENT-APPL-SN-108810	c 33	N77-22386 *
NASA-CASE-XNP-09785	c 08	N69-21928 *	US-PATENT-APPL-SN-054501	c 23	N82-16174 *	US-PATENT-APPL-SN-108824	c 31	N73-13898 *
NASA-CASE-XNP-09802	c 33	N71-15641 *	US-PATENT-APPL-SN-057465	c 37	N81-17433 *	US-PATENT-APPL-SN-109789	c 09	N70-34596 *
NASA-CASE-XNP-09808	c 09	N71-12518 *	US-PATENT-APPL-SN-057466	c 71	N81-15767 *	US-PATENT-APPL-SN-110402	c 09	N72-27226 *
NASA-CASE-XNP-09830	c 14	N71-26266 *	US-PATENT-APPL-SN-057526	c 52	N81-25662 *	US-PATENT-APPL-SN-110591	c 15	N70-39896 *
NASA-CASE-XNP-09832	c 30	N71-23723 *	US-PATENT-APPL-SN-060435	c 44	N81-24520 *	US-PATENT-APPL-SN-111436	c 33	N82-26569 *
NASA-CASE-XNP-10007-1	c 46	N74-23068 *	US-PATENT-APPL-SN-060449	c 07	N82-32366 *	US-PATENT-APPL-SN-111438	c 35	N81-29407 *
NASA-CASE-XNP-10075	c 15	N71-24679 *	US-PATENT-APPL-SN-061327	c 32	N83-13323 *	US-PATENT-APPL-SN-111439	c 74	N81-24900 *
NASA-CASE-XNP-10830	c 07	N71-11281 *	US-PATENT-APPL-SN-061555	c 44	N81-29524 *	US-PATENT-APPL-SN-111998	c 21	N73-30640 *
NASA-CASE-XNP-10843	c 07	N71-11267 *	US-PATENT-APPL-SN-061556	c 35	N81-19427 *	US-PATENT-APPL-SN-11220	c 14	N73-30389 *
NASA-CASE-XNP-10854	c 10	N71-26331 *	US-PATENT-APPL-SN-061822	c 74	N83-19597 *	US-PATENT-APPL-SN-112366	c 06	N72-10138 *
			US-PATENT-APPL-SN-065676	c 35	N80-18364 *	US-PATENT-APPL-SN-112988	c 07	N72-32169 *
			US-PATENT-APPL-SN-065676	c 44	N81-12542 *	US-PATENT-APPL-SN-112998	c 14	N73-12445 *
US-CLASS-60-39.07	c 07	N86-20389 *	US-PATENT-APPL-SN-067595	c 08	N82-24205 *	US-PATENT-APPL-SN-112999	c 23	N72-25619 *
			US-PATENT-APPL-SN-067596	c 51	N81-28698 *	US-PATENT-APPL-SN-112999	c 32	N79-19186 *
US-PATENT-APPL-SN-003693	c 52	N81-14612 *	US-PATENT-APPL-SN-069485	c 33	N82-24420 *	US-PATENT-APPL-SN-113014	c 27	N81-24257 *
US-PATENT-APPL-SN-006952	c 27	N81-14077 *	US-PATENT-APPL-SN-070366	c 35	N82-11431 *	US-PATENT-APPL-SN-113015	c 37	N82-24491 *
US-PATENT-APPL-SN-007083	c 26	N80-32484 *	US-PATENT-APPL-SN-070771	c 27	N81-17260 *	US-PATENT-APPL-SN-114772	c 04	N76-26175 *
US-PATENT-APPL-SN-008207	c 32	N80-23524 *	US-PATENT-APPL-SN-070774	c 33	N82-26571 *	US-PATENT-APPL-SN-114846	c 14	N73-12444 *
US-PATENT-APPL-SN-008208	c 37	N81-17432 *	US-PATENT-APPL-SN-072857	c 24	N82-32417 *	US-PATENT-APPL-SN-114847	c 15	N72-28496 *
US-PATENT-APPL-SN-008209	c 32	N81-25278 *	US-PATENT-APPL-SN-073477	c 36	N82-32712 *	US-PATENT-APPL-SN-114848	c 11	N72-23215 *
US-PATENT-APPL-SN-008210	c 05	N81-26114 *	US-PATENT-APPL-SN-073579	c 33	N82-24415 *	US-PATENT-APPL-SN-114849	c 09	N72-27227 *
US-PATENT-APPL-SN-008211	c 74	N81-17887 *	US-PATENT-APPL-SN-076643	c 32	N81-29308 *	US-PATENT-APPL-SN-114873	c 09	N73-28083 *
US-PATENT-APPL-SN-008212	c 44	N80-24741 *	US-PATENT-APPL-SN-078521	c 32	N81-14186 *	US-PATENT-APPL-SN-115082	c 18	N73-13562 *
US-PATENT-APPL-SN-009886	c 31	N80-32583 *	US-PATENT-APPL-SN-078611	c 04	N81-21047 *	US-PATENT-APPL-SN-115083	c 07	N73-25160 *
US-PATENT-APPL-SN-009887	c 28	N81-14103 *	US-PATENT-APPL-SN-078612	c 46	N82-12685 *	US-PATENT-APPL-SN-115134	c 06	N73-13128 *
US-PATENT-APPL-SN-009888	c 37	N81-14320 *	US-PATENT-APPL-SN-079913	c 05	N82-28279 *	US-PATENT-APPL-SN-115536	c 33	N82-24417 *
US-PATENT-APPL-SN-009889	c 33	N81-27396 *	US-PATENT-APPL-SN-088663	c 28	N82-18401 *	US-PATENT-APPL-SN-115594	c 03	N71-34044 *
US-PATENT-APPL-SN-011737	c 27	N81-14078 *	US-PATENT-APPL-SN-089779	c 26	N81-25188 *	US-PATENT-APPL-SN-116777	c 09	N73-19235 *
US-PATENT-APPL-SN-014663	c 31	N81-25259 *	US-PATENT-APPL-SN-090584	c 74	N81-19896 *	US-PATENT-APPL-SN-116778	c 09	N72-33205 *
US-PATENT-APPL-SN-014664	c 44	N81-14389 *	US-PATENT-APPL-SN-0914	c 28	N70-38711 *	US-PATENT-APPL-SN-116786	c 07	N72-25172 *
US-PATENT-APPL-SN-015983	c 02	N80-28300 *	US-PATENT-APPL-SN-092141	c 27	N81-29229 *	US-PATENT-APPL-SN-116790	c 14	N73-30388 *
US-PATENT-APPL-SN-015995	c 08	N81-26152 *	US-PATENT-APPL-SN-092142	c 27	N82-11206 *	US-PATENT-APPL-SN-117575	c 08	N73-12177 *
US-PATENT-APPL-SN-015996	c 08	N81-24106 *	US-PATENT-APPL-SN-092143	c 32	N82-18443 *	US-PATENT-APPL-SN-118169	c 14	N70-35220 *
US-PATENT-APPL-SN-017865	c 32	N79-19195 *	US-PATENT-APPL-SN-092144	c 37	N82-12442 *	US-PATENT-APPL-SN-118200	c 15	N70-34247 *
US-PATENT-APPL-SN-017886	c 33	N81-33405 *	US-PATENT-APPL-SN-093714	c 44	N81-29525 *	US-PATENT-APPL-SN-118202	c 28	N70-38710 *
US-PATENT-APPL-SN-017887	c 33	N81-36358 *	US-PATENT-APPL-SN-095217	c 74	N81-19898 *	US-PATENT-APPL-SN-118203	c 14	N70-38602 *
US-PATENT-APPL-SN-017888	c 51	N80-16715 *	US-PATENT-APPL-SN-096255	c 37	N80-18400 *	US-PATENT-APPL-SN-118269	c 33	N73-26958 *
US-PATENT-APPL-SN-017889	c 02	N84-28732 *	US-PATENT-APPL-SN-096255	c 37	N82-19540 *	US-PATENT-APPL-SN-118270	c 09	N72-25260 *
US-PATENT-APPL-SN-017890	c 33	N81-15192 *	US-PATENT-APPL-SN-096257	c 37	N82-24490 *	US-PATENT-APPL-SN-11853	c 15	N71-28951 *
US-PATENT-APPL-SN-019541	c 02	N81-14968 *	US-PATENT-APPL-SN-098568	c 33	N82-11357 *	US-PATENT-APPL-SN-119282	c 03	N72-23048 *
US-PATENT-APPL-SN-023436	c 07	N80-32392 *	US-PATENT-APPL-SN-098569	c 44	N82-16474 *	US-PATENT-APPL-SN-119334	c 26	N80-19237 *
US-PATENT-APPL-SN-023437	c 62	N81-24779 *	US-PATENT-APPL-SN-098570	c 44	N82-18686 *	US-PATENT-APPL-SN-119335	c 37	N82-24494 *
US-PATENT-APPL-SN-023439	c 37	N81-27519 *	US-PATENT-APPL-SN-100611	c 37	N82-32732 *	US-PATENT-APPL-SN-119336	c 33	N82-24421 *
US-PATENT-APPL-SN-023484	c 33	N81-20352 *	US-PATENT-APPL-SN-100637	c 37	N75-18574 *	US-PATENT-APPL-SN-119337	c 24	N81-33235 *
US-PATENT-APPL-SN-023485	c 33	N82-24418 *	US-PATENT-APPL-SN-100639	c 14	N72-32452 *	US-PATENT-APPL-SN-119339	c 36	N82-28616 *
US-PATENT-APPL-SN-023501	c 26	N80-28492 *	US-PATENT-APPL-SN-100774	c 06	N72-25151 *	US-PATENT-APPL-SN-119340	c 35	N82-11432 *
US-PATENT-APPL-SN-025162	c 35	N81-14287 *	US-PATENT-APPL-SN-100774	c 06	N73-32030 *	US-PATENT-APPL-SN-120241	c 15	N73-24513 *
US-PATENT-APPL-SN-025163	c 74	N80-33210 *	US-PATENT-APPL-SN-100996	c 08	N73-13187 *	US-PATENT-APPL-SN-120795	c 07	N70-40202 *
US-PATENT-APPL-SN-025301	c 07	N82-26293 *	US-PATENT-APPL-SN-101029	c 31	N70-38676 *	US-PATENT-APPL-SN-120797	c 14	N70-36824 *
US-PATENT-APPL-SN-027557	c 27	N81-19296 *	US-PATENT-APPL-SN-101214	c 14	N73-26430 *	US-PATENT-APPL-SN-120803	c 08	N70-34743 *
US-PATENT-APPL-SN-027558	c 36	N81-24422 *	US-PATENT-APPL-SN-101354	c 10	N73-16205 *	US-PATENT-APPL-SN-121328	c 23	N72-11568 *
US-PATENT-APPL-SN-027559	c 44	N81-17518 *	US-PATENT-APPL-SN-10161	c 33	N72-20915 *	US-PATENT-APPL-SN-122965	c 35	N81-26431 *
US-PATENT-APPL-SN-028300	c 27	N81-17259 *	US-PATENT-APPL-SN-102001	c 36	N82-16396 *	US-PATENT-APPL-SN-122966	c 33	N82-26568 *
US-PATENT-APPL-SN-028301	c 27	N81-17262 *	US-PATENT-APPL-SN-102002	c 18	N81-29152 *	US-PATENT-APPL-SN-122967	c 24	N81-26179 *
US-PATENT-APPL-SN-028301	c 27	N81-24256 *	US-PATENT-APPL-SN-102003	c 26	N82-29415 *	US-PATENT-APPL-SN-123253	c 10	N73-12244 *
US-PATENT-APPL-SN-028301	c 27	N82-24338 *	US-PATENT-APPL-SN-102004	c 26	N82-30371 *	US-PATENT-APPL-SN-123597	c 21	N70-34297 *
US-PATENT-APPL-SN-030831	c 25	N82-23282 *	US-PATENT-APPL-SN-102412	c 37	N81-26447 *	US-PATENT-APPL-SN-124909	c 14	N73-16483 *
US-PATENT-APPL-SN-032305	c 15	N82-24272 *	US-PATENT-APPL-SN-102593	c 25	N72-33696 *	US-PATENT-APPL-SN-125234	c 07	N73-16121 *
US-PATENT-APPL-SN-032307	c 44	N81-24519 *	US-PATENT-APPL-SN-103077	c 25	N72-32688 *	US-PATENT-APPL-SN-125235	c 51	N77-25769 *
US-PATENT-APPL-SN-034104	c 08	N81-19130 *	US-PATENT-APPL-SN-103078	c 15	N73-12486 *	US-PATENT-APPL-SN-125236	c 14	N73-26431 *
US-PATENT-APPL-SN-034531	c 52	N81-28740 *	US-PATENT-APPL-SN-103091	c 37	N74-23070 *	US-PATENT-APPL-SN-125979	c 09	N72-25255 *
US-PATENT-APPL-SN-037066	c 25	N81-14016 *	US-PATENT-APPL-SN-103229	c 14	N72-22439 *	US-PATENT-APPL-SN-126063	c 44	N83-10501 *
US-PATENT-APPL-SN-037072	c 31	N81-33319 *	US-PATENT-APPL-SN-103230	c 15	N73-14468 *	US-PATENT-APPL-SN-126064	c 33	N82-18493 *
US-PATENT-APPL-SN-037194	c 37	N84-28081 *	US-PATENT-APPL-SN-103231	c 09	N72-25251 *	US-PATENT-APPL-SN-126138	c 34	N82-13376 *
US-PATENT-APPL-SN-037560	c 74	N81-29963 *	US-PATENT-APPL-SN-103551	c 31	N73-14854 *	US-PATENT-APPL-SN-12661	c 14	N72-24237 *
US-PATENT-APPL-SN-038550	c 33	N83-18996 *	US-PATENT-APPL-SN-103836	c 37	N80-18402 *	US-PATENT-APPL-SN-127234	c 08	N70-35423 *
US-PATENT-APPL-SN-038980	c 07	N81-14999 *	US-PATENT-APPL-SN-103836	c 37	N81-24443 *	US-PATENT-APPL-SN-127480	c 37	N75-26371 *
US-PATENT-APPL-SN-039031	c 32	N80-28578 *	US-PATENT-APPL-SN-104047	c 15	N72-31483 *	US-PATENT-APPL-SN-127481	c 24	N75-28135 *
US-PATENT-APPL-SN-041141	c 36	N82-13415 *	US-PATENT-APPL-SN-104048	c 31	N73-14855 *	US-PATENT-APPL-SN-127618	c 02	N73-13008 *
US-PATENT-APPL-SN-041142	c 32	N81-15179 *	US-PATENT-APPL-SN-104187	c 14	N70-36618 *	US-PATENT-APPL-SN-127647	c 15	N73-27405 *
US-PATENT-APPL-SN-041143	c 60	N83-25378 *	US-PATENT-APPL-SN-104188	c 09	N70-34819 *	US-PATENT-APPL-SN-127915	c 02	N73-26004 *
US-PATENT-APPL-SN-041145	c 25	N82-12166 *	US-PATENT-APPL-SN-104346	c 14	N73-28488 *	US-PATENT-APPL-SN-127984	c 33	N75-27250 *

REPORT NUMBER INDEX

US-PATENT-APPL-SN-188927

US-PATENT-APPL-SN-128230	c 60	N84-28491 *	#	US-PATENT-APPL-SN-147996	c 28	N73-24784 *	#	US-PATENT-APPL-SN-17101	c 28	N72-18766 *	#
US-PATENT-APPL-SN-128419	c 14	N73-20477 *	#	US-PATENT-APPL-SN-147997	c 15	N72-33477 *	#	US-PATENT-APPL-SN-171928	c 33	N82-26570 *	#
US-PATENT-APPL-SN-129071	c 09	N72-25254 *	#	US-PATENT-APPL-SN-148001	c 14	N70-34298 *	#	US-PATENT-APPL-SN-171933	c 37	N82-12441 *	#
US-PATENT-APPL-SN-129072	c 15	N73-13467 *	#	US-PATENT-APPL-SN-148756	c 15	N73-13466 *	#	US-PATENT-APPL-SN-171934	c 35	N82-26628 *	#
US-PATENT-APPL-SN-129073	c 15	N73-13464 *	#	US-PATENT-APPL-SN-149283	c 35	N74-17153 *	#	US-PATENT-APPL-SN-172098	c 33	N80-29583 *	#
US-PATENT-APPL-SN-129379	c 37	N79-33468 *	#	US-PATENT-APPL-SN-149526	c 52	N82-33996 *	#	US-PATENT-APPL-SN-172099	c 32	N82-27558 *	#
US-PATENT-APPL-SN-129579	c 28	N70-35381 *	#	US-PATENT-APPL-SN-149983	c 31	N72-21893 *	#	US-PATENT-APPL-SN-172100	c 27	N82-33520 *	#
US-PATENT-APPL-SN-129778	c 60	N82-24839 *	#	US-PATENT-APPL-SN-150040	c 36	N82-29589 *	#	US-PATENT-APPL-SN-172459	c 06	N73-16106 *	#
US-PATENT-APPL-SN-129779	c 60	N82-16747 *	#	US-PATENT-APPL-SN-150115	c 44	N82-16475 *	#	US-PATENT-APPL-SN-172727	c 33	N81-26360 *	#
US-PATENT-APPL-SN-129780	c 44	N82-24639 *	#	US-PATENT-APPL-SN-150119	c 15	N72-17455 *	#	US-PATENT-APPL-SN-172807	c 07	N73-28012 *	#
US-PATENT-APPL-SN-129783	c 04	N82-23231 *	#	US-PATENT-APPL-SN-150201	c 14	N70-34697 *	#	US-PATENT-APPL-SN-173081	c 28	N70-36806 *	#
US-PATENT-APPL-SN-129793	c 33	N82-16340 *	#	US-PATENT-APPL-SN-150215	c 33	N73-25952 *	#	US-PATENT-APPL-SN-173178	c 33	N77-21315 *	#
US-PATENT-APPL-SN-129798	c 27	N81-27271 *	#	US-PATENT-APPL-SN-150222	c 15	N72-21465 *	#	US-PATENT-APPL-SN-173185	c 23	N73-13660 *	#
US-PATENT-APPL-SN-129799	c 27	N82-18389 *	#	US-PATENT-APPL-SN-150233	c 15	N70-34699 *	#	US-PATENT-APPL-SN-173190	c 05	N73-32015 *	#
US-PATENT-APPL-SN-130353	c 31	N73-14853 *	#	US-PATENT-APPL-SN-150241	c 09	N72-21245 *	#	US-PATENT-APPL-SN-173518	c 60	N82-29013 *	#
US-PATENT-APPL-SN-130496	c 36	N83-10417 *	#	US-PATENT-APPL-SN-150253	c 03	N72-20033 *	#	US-PATENT-APPL-SN-173519	c 44	N82-26776 *	#
US-PATENT-APPL-SN-132364	c 07	N83-36029 *	#	US-PATENT-APPL-SN-150260	c 35	N79-33450 *	#	US-PATENT-APPL-SN-173520	c 31	N80-27058 *	#
US-PATENT-APPL-SN-132666	c 05	N72-23085 *	#	US-PATENT-APPL-SN-151112	c 15	N70-34814 *	#	US-PATENT-APPL-SN-173524	c 35	N82-32659 *	#
US-PATENT-APPL-SN-134479	c 14	N70-33179 *	#	US-PATENT-APPL-SN-151114	c 31	N70-34176 *	#	US-PATENT-APPL-SN-173981	c 14	N70-35666 *	#
US-PATENT-APPL-SN-134481	c 11	N70-34815 *	#	US-PATENT-APPL-SN-151411	c 07	N73-26118 *	#	US-PATENT-APPL-SN-174684	c 33	N75-31331 *	#
US-PATENT-APPL-SN-134567	c 14	N73-16484 *	#	US-PATENT-APPL-SN-151412	c 09	N73-32112 *	#	US-PATENT-APPL-SN-175267	c 14	N73-28486 *	#
US-PATENT-APPL-SN-134568	c 06	N72-31141 *	#	US-PATENT-APPL-SN-151413	c 14	N73-12447 *	#	US-PATENT-APPL-SN-175452	c 27	N81-27272 *	#
US-PATENT-APPL-SN-134571	c 21	N73-13644 *	#	US-PATENT-APPL-SN-151598	c 03	N70-34134 *	#	US-PATENT-APPL-SN-175452	c 27	N85-21347 *	#
US-PATENT-APPL-SN-134573	c 09	N72-25257 *	#	US-PATENT-APPL-SN-152222	c 18	N72-25539 *	#	US-PATENT-APPL-SN-175453	c 65	N82-33288 *	#
US-PATENT-APPL-SN-134619	c 35	N79-33449 *	#	US-PATENT-APPL-SN-152328	c 02	N74-20646 *	#	US-PATENT-APPL-SN-175497	c 08	N73-28045 *	#
US-PATENT-APPL-SN-134658	c 15	N73-28515 *	#	US-PATENT-APPL-SN-152849	c 15	N73-30457 *	#	US-PATENT-APPL-SN-175852	c 25	N73-25760 *	#
US-PATENT-APPL-SN-134782	c 09	N70-36494 *	#	US-PATENT-APPL-SN-153240	c 33	N86-19515 *	#	US-PATENT-APPL-SN-175881	c 09	N73-15235 *	#
US-PATENT-APPL-SN-134785	c 44	N81-24521 *	#	US-PATENT-APPL-SN-153245	c 74	N83-29032 *	#	US-PATENT-APPL-SN-175981	c 16	N73-30476 *	#
US-PATENT-APPL-SN-135038	c 33	N83-31954 *	#	US-PATENT-APPL-SN-153246	c 52	N82-29863 *	#	US-PATENT-APPL-SN-175983	c 31	N73-32750 *	#
US-PATENT-APPL-SN-135039	c 33	N82-24416 *	#	US-PATENT-APPL-SN-153266	c 02	N70-38011 *	#	US-PATENT-APPL-SN-177684	c 28	N70-34860 *	#
US-PATENT-APPL-SN-135040	c 09	N82-11088 *	#	US-PATENT-APPL-SN-153542	c 28	N73-32606 *	#	US-PATENT-APPL-SN-177753	c 07	N72-20154 *	#
US-PATENT-APPL-SN-135056	c 37	N81-33483 *	#	US-PATENT-APPL-SN-153543	c 08	N73-26176 *	#	US-PATENT-APPL-SN-177985	c 35	N74-15831 *	#
US-PATENT-APPL-SN-135057	c 08	N82-32373 *	#	US-PATENT-APPL-SN-153624	c 37	N75-27376 *	#	US-PATENT-APPL-SN-178192	c 25	N83-33977 *	#
US-PATENT-APPL-SN-135058	c 25	N82-26396 *	#	US-PATENT-APPL-SN-154094	c 33	N72-27959 *	#	US-PATENT-APPL-SN-178193	c 52	N82-29862 *	#
US-PATENT-APPL-SN-136006	c 09	N72-28225 *	#	US-PATENT-APPL-SN-154663	c 02	N81-26073 *	#	US-PATENT-APPL-SN-178195	c 35	N82-24470 *	#
US-PATENT-APPL-SN-136007	c 09	N71-34212 *	#	US-PATENT-APPL-SN-154663	c 09	N82-29330 *	#	US-PATENT-APPL-SN-178213	c 25	N70-33267 *	#
US-PATENT-APPL-SN-136008	c 27	N74-13270 *	#	US-PATENT-APPL-SN-154725	c 37	N82-24493 *	#	US-PATENT-APPL-SN-178215	c 25	N70-34661 *	#
US-PATENT-APPL-SN-136085	c 17	N73-12547 *	#	US-PATENT-APPL-SN-154726	c 25	N81-25159 *	#	US-PATENT-APPL-SN-178721	c 03	N70-35408 *	#
US-PATENT-APPL-SN-136086	c 15	N73-19457 *	#	US-PATENT-APPL-SN-154930	c 44	N76-14600 *	#	US-PATENT-APPL-SN-178771	c 23	N75-14834 *	#
US-PATENT-APPL-SN-136253	c 27	N74-12814 *	#	US-PATENT-APPL-SN-154933	c 14	N73-25463 *	#	US-PATENT-APPL-SN-180230	c 33	N83-18996 *	#
US-PATENT-APPL-SN-136652	c 07	N84-24577 *	#	US-PATENT-APPL-SN-154935	c 11	N72-27262 *	#	US-PATENT-APPL-SN-180370	c 28	N70-33375 *	#
US-PATENT-APPL-SN-136660	c 31	N83-34073 *	#	US-PATENT-APPL-SN-155565	c 08	N73-25206 *	#	US-PATENT-APPL-SN-180374	c 28	N70-38181 *	#
US-PATENT-APPL-SN-137391	c 36	N75-31426 *	#	US-PATENT-APPL-SN-155584	c 09	N70-40123 *	#	US-PATENT-APPL-SN-180377	c 15	N70-36908 *	#
US-PATENT-APPL-SN-137912	c 06	N72-21105 *	#	US-PATENT-APPL-SN-155595	c 26	N73-28710 *	#	US-PATENT-APPL-SN-180379	c 21	N70-35395 *	#
US-PATENT-APPL-SN-137927	c 26	N72-27784 *	#	US-PATENT-APPL-SN-155596	c 15	N73-32361 *	#	US-PATENT-APPL-SN-180380	c 09	N70-38998 *	#
US-PATENT-APPL-SN-138229	c 15	N72-32487 *	#	US-PATENT-APPL-SN-155598	c 15	N73-28516 *	#	US-PATENT-APPL-SN-180381	c 21	N70-35089 *	#
US-PATENT-APPL-SN-138230	c 32	N73-20740 *	#	US-PATENT-APPL-SN-156724	c 21	N73-13643 *	#	US-PATENT-APPL-SN-180382	c 28	N70-38645 *	#
US-PATENT-APPL-SN-138944	c 37	N82-26672 *	#	US-PATENT-APPL-SN-156725	c 14	N73-27377 *	#	US-PATENT-APPL-SN-180384	c 11	N70-38675 *	#
US-PATENT-APPL-SN-139006	c 09	N70-38604 *	#	US-PATENT-APPL-SN-156778	c 17	N72-28535 *	#	US-PATENT-APPL-SN-180391	c 28	N70-38249 *	#
US-PATENT-APPL-SN-139007	c 28	N70-37245 *	#	US-PATENT-APPL-SN-156790	c 25	N82-29371 *	#	US-PATENT-APPL-SN-180392	c 09	N71-13530 *	#
US-PATENT-APPL-SN-139012	c 03	N70-38713 *	#	US-PATENT-APPL-SN-157150	c 37	N84-33808 *	#	US-PATENT-APPL-SN-180394	c 15	N70-38603 *	#
US-PATENT-APPL-SN-139094	c 05	N73-32011 *	#	US-PATENT-APPL-SN-158530	c 27	N83-19900 *	#	US-PATENT-APPL-SN-180395	c 15	N70-36947 *	#
US-PATENT-APPL-SN-139250	c 04	N73-27052 *	#	US-PATENT-APPL-SN-158914	c 11	N70-36913 *	#	US-PATENT-APPL-SN-180396	c 11	N70-38202 *	#
US-PATENT-APPL-SN-139528	c 03	N72-25020 *	#	US-PATENT-APPL-SN-158916	c 05	N70-41819 *	#	US-PATENT-APPL-SN-180473	c 28	N73-27699 *	#
US-PATENT-APPL-SN-139596	c 33	N77-13315 *	#	US-PATENT-APPL-SN-159804	c 11	N70-38196 *	#	US-PATENT-APPL-SN-180683	c 10	N73-25241 *	#
US-PATENT-APPL-SN-140439	c 33	N75-19518 *	#	US-PATENT-APPL-SN-159857	c 05	N73-26072 *	#	US-PATENT-APPL-SN-180963	c 14	N73-27378 *	#
US-PATENT-APPL-SN-140443	c 09	N70-35219 *	#	US-PATENT-APPL-SN-159966	c 31	N73-26876 *	#	US-PATENT-APPL-SN-181023	c 15	N73-26472 *	#
US-PATENT-APPL-SN-140509	c 09	N70-35382 *	#	US-PATENT-APPL-SN-160093	c 04	N78-17031 *	#	US-PATENT-APPL-SN-181024	c 07	N73-26117 *	#
US-PATENT-APPL-SN-140946	c 18	N73-26572 *	#	US-PATENT-APPL-SN-160859	c 32	N73-26910 *	#	US-PATENT-APPL-SN-181828	c 02	N70-34858 *	#
US-PATENT-APPL-SN-140946	c 27	N74-27037 *	#	US-PATENT-APPL-SN-160860	c 18	N73-32437 *	#	US-PATENT-APPL-SN-181829	c 31	N70-38010 *	#
US-PATENT-APPL-SN-141220	c 33	N79-33469 *	#	US-PATENT-APPL-SN-161028	c 14	N73-19420 *	#	US-PATENT-APPL-SN-182033	c 33	N73-27796 *	#
US-PATENT-APPL-SN-142583	c 37	N73-13661 *	#	US-PATENT-APPL-SN-161254	c 27	N82-28441 *	#	US-PATENT-APPL-SN-182399	c 07	N73-28013 *	#
US-PATENT-APPL-SN-142662	c 23	N73-14429 *	#	US-PATENT-APPL-SN-161255	c 28	N81-24280 *	#	US-PATENT-APPL-SN-182692	c 15	N70-36535 *	#
US-PATENT-APPL-SN-142719	c 14	N73-14429 *	#	US-PATENT-APPL-SN-161256	c 44	N82-32841 *	#	US-PATENT-APPL-SN-182696	c 21	N70-36938 *	#
US-PATENT-APPL-SN-143078	c 08	N73-33172 *	#	US-PATENT-APPL-SN-161257	c 33	N85-29522 *	#	US-PATENT-APPL-SN-182698	c 15	N70-38620 *	#
US-PATENT-APPL-SN-143508	c 33	N74-12913 *	#	US-PATENT-APPL-SN-162100	c 37	N74-14939 *	#	US-PATENT-APPL-SN-182699	c 28	N70-38504 *	#
US-PATENT-APPL-SN-144139	c 11	N73-26238 *	#	US-PATENT-APPL-SN-162101	c 14	N73-24473 *	#	US-PATENT-APPL-SN-182879	c 37	N82-32730 *	#
US-PATENT-APPL-SN-144803	c 11	N70-34844 *	#	US-PATENT-APPL-SN-162230	c 26	N72-28761 *	#	US-PATENT-APPL-SN-182880	c 37	N83-19091 *	#
US-PATENT-APPL-SN-144804	c 14	N70-39898 *	#	US-PATENT-APPL-SN-162380	c 36	N74-21091 *	#	US-PATENT-APPL-SN-182881	c 18	N83-28064 *	#
US-PATENT-APPL-SN-14488	c 09	N70-38995 *	#	US-PATENT-APPL-SN-163122	c 07	N83-31603 *	#	US-PATENT-APPL-SN-182977	c 39	N74-13131 *	#
US-PATENT-APPL-SN-144958	c 09	N72-20206 *	#	US-PATENT-APPL-SN-163151	c 74	N75-25706 *	#	US-PATENT-APPL-SN-182978	c 16	N73-13489 *	#
US-PATENT-APPL-SN-145007	c 18	N70-36400 *	#	US-PATENT-APPL-SN-163152	c 17	N73-27446 *	#	US-PATENT-APPL-SN-183240	c 06	N73-30098 *	#
US-PATENT-APPL-SN-145026	c 06	N72-25152 *	#	US-PATENT-APPL-SN-163387	c 47	N83-32232 *	#	US-PATENT-APPL-SN-183707	c 23	N85-33187 *	#
US-PATENT-APPL-SN-145027	c 06	N73-32029 *	#	US-PATENT-APPL-SN-163838	c 23	N82-28553 *	#	US-PATENT-APPL-SN-183977	c 28	N70-38505 *	#
US-PATENT-APPL-SN-145107	c 27	N82-16238 *	#	US-PATENT-APPL-SN-163840	c 37	N81-33482 *	#	US-PATENT-APPL-SN-183978	c 15	N70-38020 *	#
US-PATENT-APPL-SN-145206	c 32	N82-11336 *	#	US-PATENT-APPL-SN-164-584	c 24	N83-33950 *	#	US-PATENT-APPL-SN-184090	c 14	N73-32327 *	#
US-PATENT-APPL-SN-145207	c 25	N82-28368 *	#	US-PATENT-APPL-SN-164428	c 09	N70-35440 *	#	US-PATENT-APPL-SN-18427	c 09	N72-23172 *	#
US-PATENT-APPL-SN-145208	c 34	N83-34221 *	#	US-PATENT-APPL-SN-164617	c 06	N81-17057 *	#	US-PATENT-APPL-SN-184649	c 07	N70-36911 *	#
US-PATENT-APPL-SN-145209	c 27	N82-29453 *	#	US-PATENT-APPL-SN-165910	c 32	N83-31918 *	#	US-PATENT-APPL-SN-184960	c 06	N73-27980 *	#
US-PATENT-APPL-SN-145210	c 09	N82-23254 *	#	US-PATENT-APPL-SN-166487	c 11	N73-32152 *	#	US-PATENT-APPL-SN-185865	c 52	N80-33081 *	#
US-PATENT-APPL-SN-145271	c 23	N81-29160 *	#	US-PATENT-APPL-SN-166541	c 14	N73-13415 *	#	US-PATENT-APPL-SN-185867	c 44	N82-26777 *	#
US-PATENT-APPL-SN-145272	c 33	N82-28545 *	#	US-PATENT-APPL-SN-166989	c 15	N70-34249 *	#	US-PATENT-APPL-SN-185868	c 24	N84-16262 *	#
US-PATENT-APPL-SN-145273	c 51	N81-32829 *	#	US-PATENT-APPL-SN-167697	c 15	N70-36409 *	#	US-PATENT-APPL-SN-185869	c 71	N82-16800 *	#
US-PATENT-APPL-SN-145282	c 74	N82-24072 *	#	US-PATENT-APPL-SN							

US-PATENT-APPL-SN-188928	c 37	N74-13178 *	#	US-PATENT-APPL-SN-206266	c 76	N75-25730 *	#	US-PATENT-APPL-SN-227682	c 14	N70-34161 *	#
US-PATENT-APPL-SN-188920	c 14	N73-27379 *	#	US-PATENT-APPL-SN-206279	c 02	N73-26005 *	#	US-PATENT-APPL-SN-227683	c 02	N70-36804 *	#
US-PATENT-APPL-SN-189375	c 18	N73-14584 *	#	US-PATENT-APPL-SN-206279	c 05	N76-29217 *	#	US-PATENT-APPL-SN-227692	c 14	N70-40003 *	#
US-PATENT-APPL-SN-189438	c 35	N76-15431 *	#	US-PATENT-APPL-SN-206506	c 33	N82-24422 *	#	US-PATENT-APPL-SN-227977	c 25	N76-18245 *	#
US-PATENT-APPL-SN-189648	c 32	N70-36536 *	#	US-PATENT-APPL-SN-206698	c 15	N73-30459 *	#	US-PATENT-APPL-SN-228049	c 37	N79-33467 *	#
US-PATENT-APPL-SN-189892	c 28	N72-11708 *	#	US-PATENT-APPL-SN-207135	c 35	N83-27184 *	#	US-PATENT-APPL-SN-228150	c 05	N73-32013 *	#
US-PATENT-APPL-SN-190316	c 17	N73-32414 *	#	US-PATENT-APPL-SN-207211	c 07	N73-30113 *	#	US-PATENT-APPL-SN-228163	c 44	N74-19693 *	#
US-PATENT-APPL-SN-191301	c 25	N74-12813 *	#	US-PATENT-APPL-SN-209478	c 07	N70-38200 *	#	US-PATENT-APPL-SN-228189	c 35	N74-11283 *	#
US-PATENT-APPL-SN-191744	c 33	N82-29538 *	#	US-PATENT-APPL-SN-209479	c 15	N70-34850 *	#	US-PATENT-APPL-SN-228190	c 23	N73-30686 *	#
US-PATENT-APPL-SN-191746	c 26	N81-16209 *	#	US-PATENT-APPL-SN-209535	c 28	N73-24783 *	#	US-PATENT-APPL-SN-228229	c 27	N77-31308 *	#
US-PATENT-APPL-SN-191746	c 26	N82-30371 *	#	US-PATENT-APPL-SN-209600	c 15	N72-17453 *	#	US-PATENT-APPL-SN-228507	c 11	N70-38182 *	#
US-PATENT-APPL-SN-191748	c 35	N82-31659 *	#	US-PATENT-APPL-SN-209618	c 33	N75-19520 *	#	US-PATENT-APPL-SN-228569	c 14	N71-16014 *	#
US-PATENT-APPL-SN-192016	c 03	N70-36778 *	#	US-PATENT-APPL-SN-209618	c 33	N75-25041 *	#	US-PATENT-APPL-SN-229128	c 14	N73-28490 *	#
US-PATENT-APPL-SN-192101	c 10	N73-20254 *	#	US-PATENT-APPL-SN-209801	c 08	N70-40125 *	#	US-PATENT-APPL-SN-229143	c 09	N72-12148 *	#
US-PATENT-APPL-SN-192141	c 07	N73-24176 *	#	US-PATENT-APPL-SN-210405	c 74	N84-11921 *	#	US-PATENT-APPL-SN-229143	c 33	N77-26387 *	#
US-PATENT-APPL-SN-192803	c 07	N73-22076 *	#	US-PATENT-APPL-SN-210491	c 02	N81-19016 *	#	US-PATENT-APPL-SN-229231	c 35	N83-34272 *	#
US-PATENT-APPL-SN-192803	c 35	N76-16391 *	#	US-PATENT-APPL-SN-210498	c 35	N84-12444 *	#	US-PATENT-APPL-SN-229233	c 27	N83-31855 *	#
US-PATENT-APPL-SN-192970	c 23	N73-30665 *	#	US-PATENT-APPL-SN-210506	c 39	N83-30281 *	#	US-PATENT-APPL-SN-229239	c 31	N83-31897 *	#
US-PATENT-APPL-SN-193456	c 10	N73-25243 *	#	US-PATENT-APPL-SN-210632	c 26	N83-10170 *	#	US-PATENT-APPL-SN-229286	c 33	N71-29052 *	#
US-PATENT-APPL-SN-193671	c 15	N73-12488 *	#	US-PATENT-APPL-SN-211332	c 02	N74-10034 *	#	US-PATENT-APPL-SN-229287	c 35	N78-29421 *	#
US-PATENT-APPL-SN-193672	c 54	N74-14845 *	#	US-PATENT-APPL-SN-211411	c 11	N73-20267 *	#	US-PATENT-APPL-SN-229354	c 62	N74-14920 *	#
US-PATENT-APPL-SN-193814	c 14	N73-30393 *	#	US-PATENT-APPL-SN-211464	c 28	N70-36910 *	#	US-PATENT-APPL-SN-229413	c 14	N73-32323 *	#
US-PATENT-APPL-SN-193947	c 14	N73-13420 *	#	US-PATENT-APPL-SN-212028	c 09	N73-14214 *	#	US-PATENT-APPL-SN-229693	c 37	N84-22958 *	#
US-PATENT-APPL-SN-193980	c 31	N74-13177 *	#	US-PATENT-APPL-SN-212165	c 14	N73-25460 *	#	US-PATENT-APPL-SN-229916	c 46	N74-13011 *	#
US-PATENT-APPL-SN-193980	c 05	N73-25125 *	#	US-PATENT-APPL-SN-212173	c 02	N71-13421 *	#	US-PATENT-APPL-SN-230613	c 05	N83-27975 *	#
US-PATENT-APPL-SN-195223	c 35	N83-21311 *	#	US-PATENT-APPL-SN-212174	c 15	N70-34859 *	#	US-PATENT-APPL-SN-231232	c 08	N72-22163 *	#
US-PATENT-APPL-SN-195226	c 31	N83-31895 *	#	US-PATENT-APPL-SN-212496	c 03	N70-36803 *	#	US-PATENT-APPL-SN-231520	c 27	N71-29155 *	#
US-PATENT-APPL-SN-195227	c 74	N83-32577 *	#	US-PATENT-APPL-SN-212497	c 11	N71-28779 *	#	US-PATENT-APPL-SN-231543	c 07	N83-20944 *	#
US-PATENT-APPL-SN-195228	c 74	N83-10900 *	#	US-PATENT-APPL-SN-212633	c 01	N71-12217 *	#	US-PATENT-APPL-SN-231604	c 28	N70-39925 *	#
US-PATENT-APPL-SN-195346	c 15	N70-36492 *	#	US-PATENT-APPL-SN-212900	c 14	N73-25462 *	#	US-PATENT-APPL-SN-231662	c 14	N73-30392 *	#
US-PATENT-APPL-SN-195347	c 31	N70-34135 *	#	US-PATENT-APPL-SN-212921	c 07	N73-20176 *	#	US-PATENT-APPL-SN-232021	c 04	N74-13420 *	#
US-PATENT-APPL-SN-195547	c 32	N83-18975 *	#	US-PATENT-APPL-SN-212949	c 35	N83-35338 *	#	US-PATENT-APPL-SN-232318	c 11	N71-15960 *	#
US-PATENT-APPL-SN-19572	c 35	N77-27368 *	#	US-PATENT-APPL-SN-212977	c 15	N73-30460 *	#	US-PATENT-APPL-SN-232914	c 15	N70-36412 *	#
US-PATENT-APPL-SN-19585	c 15	N72-25455 *	#	US-PATENT-APPL-SN-213004	c 14	N73-19421 *	#	US-PATENT-APPL-SN-233098	c 12	N73-25262 *	#
US-PATENT-APPL-SN-196399	c 07	N73-25161 *	#	US-PATENT-APPL-SN-213836	c 15	N70-38601 *	#	US-PATENT-APPL-SN-233173	c 12	N73-28144 *	#
US-PATENT-APPL-SN-196877	c 35	N84-17555 *	#	US-PATENT-APPL-SN-213949	c 07	N73-20175 *	#	US-PATENT-APPL-SN-233269	c 76	N82-30105 *	#
US-PATENT-APPL-SN-196898	c 38	N74-15130 *	#	US-PATENT-APPL-SN-214006	c 37	N74-18126 *	#	US-PATENT-APPL-SN-233270	c 52	N83-27578 *	#
US-PATENT-APPL-SN-196931	c 35	N74-17885 *	#	US-PATENT-APPL-SN-214084	c 37	N74-18123 *	#	US-PATENT-APPL-SN-233271	c 27	N83-34043 *	#
US-PATENT-APPL-SN-196970	c 15	N73-33383 *	#	US-PATENT-APPL-SN-214086	c 14	N73-30395 *	#	US-PATENT-APPL-SN-233519	c 20	N74-13502 *	#
US-PATENT-APPL-SN-197183	c 02	N76-22154 *	#	US-PATENT-APPL-SN-214089	c 35	N74-21018 *	#	US-PATENT-APPL-SN-233587	c 16	N72-22520 *	#
US-PATENT-APPL-SN-197548	c 09	N70-34502 *	#	US-PATENT-APPL-SN-214361	c 37	N83-32067 *	#	US-PATENT-APPL-SN-233743	c 37	N74-13179 *	#
US-PATENT-APPL-SN-197551	c 31	N70-34296 *	#	US-PATENT-APPL-SN-21508	c 08	N72-20176 *	#	US-PATENT-APPL-SN-234222	c 34	N85-21568 *	#
US-PATENT-APPL-SN-197553	c 08	N70-34778 *	#	US-PATENT-APPL-SN-21644	c 05	N72-22092 *	#	US-PATENT-APPL-SN-234223	c 35	N83-21312 *	#
US-PATENT-APPL-SN-197554	c 14	N70-35368 *	#	US-PATENT-APPL-SN-216710	c 12	N70-38997 *	#	US-PATENT-APPL-SN-234224	c 36	N83-34304 *	#
US-PATENT-APPL-SN-197689	c 31	N74-14133 *	#	US-PATENT-APPL-SN-216711	c 03	N70-34157 *	#	US-PATENT-APPL-SN-234225	c 33	N83-36357 *	#
US-PATENT-APPL-SN-197689	c 31	N75-13111 *	#	US-PATENT-APPL-SN-216939	c 14	N70-40400 *	#	US-PATENT-APPL-SN-234568	c 28	N70-34788 *	#
US-PATENT-APPL-SN-197870	c 14	N73-32322 *	#	US-PATENT-APPL-SN-217213	c 37	N74-11301 *	#	US-PATENT-APPL-SN-235162	c 08	N71-12501 *	#
US-PATENT-APPL-SN-198093	c 39	N83-20280 *	#	US-PATENT-APPL-SN-21732	c 15	N70-26819 *	#	US-PATENT-APPL-SN-235266	c 26	N73-32571 *	#
US-PATENT-APPL-SN-198285	c 09	N73-13208 *	#	US-PATENT-APPL-SN-217336	c 27	N82-29456 *	#	US-PATENT-APPL-SN-235268	c 36	N74-15145 *	#
US-PATENT-APPL-SN-198289	c 14	N73-32326 *	#	US-PATENT-APPL-SN-218585	c 27	N82-24340 *	#	US-PATENT-APPL-SN-235269	c 09	N73-30181 *	#
US-PATENT-APPL-SN-198355	c 05	N72-15098 *	#	US-PATENT-APPL-SN-218586	c 36	N81-22344 *	#	US-PATENT-APPL-SN-235295	c 09	N73-30185 *	#
US-PATENT-APPL-SN-198362	c 14	N73-28489 *	#	US-PATENT-APPL-SN-218587	c 27	N82-28440 *	#	US-PATENT-APPL-SN-23532	c 07	N72-21117 *	#
US-PATENT-APPL-SN-198379	c 15	N73-32359 *	#	US-PATENT-APPL-SN-218588	c 27	N82-33521 *	#	US-PATENT-APPL-SN-235338	c 71	N74-31148 *	#
US-PATENT-APPL-SN-198472	c 27	N74-12812 *	#	US-PATENT-APPL-SN-218965	c 10	N73-32145 *	#	US-PATENT-APPL-SN-235363	c 74	N81-24907 *	#
US-PATENT-APPL-SN-198763	c 31	N74-18124 *	#	US-PATENT-APPL-SN-21906	c 09	N72-17157 *	#	US-PATENT-APPL-SN-235472	c 60	N84-28492 *	#
US-PATENT-APPL-SN-198763	c 31	N74-32920 *	#	US-PATENT-APPL-SN-219435	c 24	N74-27035 *	#	US-PATENT-APPL-SN-235588	c 28	N71-28928 *	#
US-PATENT-APPL-SN-198885	c 05	N73-27062 *	#	US-PATENT-APPL-SN-219436	c 15	N72-21489 *	#	US-PATENT-APPL-SN-235796	c 35	N82-28604 *	#
US-PATENT-APPL-SN-199199	c 25	N71-29184 *	#	US-PATENT-APPL-SN-219590	c 06	N73-32030 *	#	US-PATENT-APPL-SN-235797	c 44	N83-32175 *	#
US-PATENT-APPL-SN-199202	c 14	N70-40239 *	#	US-PATENT-APPL-SN-219640	c 74	N83-13978 *	#	US-PATENT-APPL-SN-235864	c 34	N83-29625 *	#
US-PATENT-APPL-SN-19971	c 09	N70-33312 *	#	US-PATENT-APPL-SN-219677	c 44	N82-31764 *	#	US-PATENT-APPL-SN-235957	c 14	N73-27376 *	#
US-PATENT-APPL-SN-199765	c 33	N81-12330 *	#	US-PATENT-APPL-SN-219678	c 44	N82-29709 *	#	US-PATENT-APPL-SN-235962	c 36	N74-11313 *	#
US-PATENT-APPL-SN-199766	c 36	N84-28065 *	#	US-PATENT-APPL-SN-219680	c 27	N82-28442 *	#	US-PATENT-APPL-SN-236052	c 14	N72-25428 *	#
US-PATENT-APPL-SN-199767	c 33	N83-16626 *	#	US-PATENT-APPL-SN-219681	c 24	N82-29362 *	#	US-PATENT-APPL-SN-236281	c 09	N73-20232 *	#
US-PATENT-APPL-SN-199768	c 27	N84-22746 *	#	US-PATENT-APPL-SN-219681	c 54	N84-11758 *	#	US-PATENT-APPL-SN-236285	c 08	N73-26175 *	#
US-PATENT-APPL-SN-199768	c 27	N85-20123 *	#	US-PATENT-APPL-SN-219722	c 03	N75-30132 *	#	US-PATENT-APPL-SN-236748	c 14	N70-40157 *	#
US-PATENT-APPL-SN-199769	c 26	N82-31505 *	#	US-PATENT-APPL-SN-219806	c 07	N74-28226 *	#	US-PATENT-APPL-SN-236749	c 15	N70-40180 *	#
US-PATENT-APPL-SN-199957	c 10	N73-26229 *	#	US-PATENT-APPL-SN-219968	c 33	N83-27126 *	#	US-PATENT-APPL-SN-236985	c 44	N74-19692 *	#
US-PATENT-APPL-SN-200040	c 52	N74-10975 *	#	US-PATENT-APPL-SN-220212	c 33	N83-31952 *	#	US-PATENT-APPL-SN-237029	c 09	N73-32108 *	#
US-PATENT-APPL-SN-200085	c 26	N73-26751 *	#	US-PATENT-APPL-SN-220213	c 37	N85-20337 *	#	US-PATENT-APPL-SN-237491	c 05	N75-12930 *	#
US-PATENT-APPL-SN-200634	c 34	N63-27144 *	#	US-PATENT-APPL-SN-220214	c 44	N82-29710 *	#	US-PATENT-APPL-SN-237694	c 35	N74-11284 *	#
US-PATENT-APPL-SN-200682	c 07	N73-14130 *	#	US-PATENT-APPL-SN-220251	c 37	N74-15125 *	#	US-PATENT-APPL-SN-238047	c 33	N74-12951 *	#
US-PATENT-APPL-SN-200717	c 09	N73-19234 *	#	US-PATENT-APPL-SN-220274	c 31	N72-20840 *	#	US-PATENT-APPL-SN-238257	c 07	N84-33410 *	#
US-PATENT-APPL-SN-200762	c 03	N73-20040 *	#	US-PATENT-APPL-SN-220274	c 18	N74-22136 *	#	US-PATENT-APPL-SN-238263	c 35	N74-10415 *	#
US-PATENT-APPL-SN-200770	c 09	N79-21084 *	#	US-PATENT-APPL-SN-220785	c 85	N74-34672 *	#	US-PATENT-APPL-SN-238264	c 37	N74-21061 *	#
US-PATENT-APPL-SN-201700	c 33	N74-17930 *	#	US-PATENT-APPL-SN-221093	c 17	N73-32415 *	#	US-PATENT-APPL-SN-238264	c 37	N74-32921 *	#
US-PATENT-APPL-SN-201782	c 15	N73-19458 *	#	US-PATENT-APPL-SN-221276	c 14	N70-41955 *	#	US-PATENT-APPL-SN-238264	c 37	N76-15461 *	#
US-PATENT-APPL-SN-201904	c 15	N73-30458 *	#	US-PATENT-APPL-SN-221634	c 05	N70-34857 *	#	US-PATENT-APPL-SN-238421	c 28	N71-29153 *	#
US-PATENT-APPL-SN-201904	c 37	N74-15128 *	#	US-PATENT-APPL-SN-221637	c 26	N70-36905 *	#	US-PATENT-APPL-SN-238785	c 44	N83-14693 *	#
US-PATENT-APPL-SN-201904	c 37	N74-21064 *	#	US-PATENT-APPL-SN-221670	c 35	N77-14408 *	#	US-PATENT-APPL-SN-238786	c 37	N83-26078 *	#
US-PATENT-APPL-SN-202024	c 14	N70-34156 *	#	US-PATENT-APPL-SN-221685	c 35	N74-21062 *	#	US-PATENT-APPL-SN-238790	c 44	N82-29708 *	#
US-PATENT-APPL-SN-202029	c 11	N70-34786 *	#	US-PATENT-APPL-SN-221714	c 09	N73-32110 *	#	US-PATENT-APPL-SN-238791	c 71	N84-14873 *	#
US-PATENT-APPL-SN-202030	c 31	N71-10747 *	#	US-PATENT-APPL-SN-221833	c 09	N73-27150 *	#	US-PATENT-APPL-SN-238826	c 28	N77-12013 *	#
US-PATENT-APPL-SN-202228	c 34	N82-11399 *	#	US-PATENT-APPL-SN-221945	c 31	N70-36410 *	#	US-PATENT-APPL-SN-238887	c 37	N81-22636 *	#
US-PATENT-APPL-SN-202228	c 34	N85-29179 *	#	US-PATENT-APPL-SN-22265	c 14	N72-21					

REPORT NUMBER INDEX

US-PATENT-APPL-SN-293727

US-PATENT-APPL-SN-24154	c 15	N70-35679 *	#	US-PATENT-APPL-SN-259208	c 44	N85-30474 *	#	US-PATENT-APPL-SN-276599	c 74	N81-19896 *	#
US-PATENT-APPL-SN-24154	c 15	N72-17450 *	#	US-PATENT-APPL-SN-259209	c 01	N83-35992 *	#	US-PATENT-APPL-SN-276748	c 33	N83-34189 *	#
US-PATENT-APPL-SN-24155	c 14	N73-26432 *	#	US-PATENT-APPL-SN-259210	c 32	N83-27085 *	#	US-PATENT-APPL-SN-276749	c 74	N84-23247 *	#
US-PATENT-APPL-SN-241614	c 10	N73-27171 *	#	US-PATENT-APPL-SN-259211	c 44	N84-14583 *	#	US-PATENT-APPL-SN-277404	c 05	N70-39922 *	#
US-PATENT-APPL-SN-241615	c 09	N73-32111 *	#	US-PATENT-APPL-SN-259212	c 35	N84-22931 *	#	US-PATENT-APPL-SN-277436	c 37	N74-25968 *	#
US-PATENT-APPL-SN-242027	c 52	N74-12778 *	#	US-PATENT-APPL-SN-259487	c 33	N70-36847 *	#	US-PATENT-APPL-SN-277833	c 03	N70-41580 *	#
US-PATENT-APPL-SN-242028	c 21	N73-30641 *	#	US-PATENT-APPL-SN-260087	c 21	N71-21688 *	#	US-PATENT-APPL-SN-277904	c 28	N74-27425 *	#
US-PATENT-APPL-SN-24224	c 09	N72-20200 *	#	US-PATENT-APPL-SN-260093	c 25	N74-26948 *	#	US-PATENT-APPL-SN-277961	c 33	N70-36617 *	#
US-PATENT-APPL-SN-242662	c 74	N74-15095 *	#	US-PATENT-APPL-SN-260241	c 74	N74-21304 *	#	US-PATENT-APPL-SN-278790	c 15	N70-34664 *	#
US-PATENT-APPL-SN-242790	c 06	N83-33882 *	#	US-PATENT-APPL-SN-261183	c 09	N74-30597 *	#	US-PATENT-APPL-SN-2792	c 14	N70-33386 *	#
US-PATENT-APPL-SN-242795	c 18	N83-20996 *	#	US-PATENT-APPL-SN-261912	c 14	N70-34818 *	#	US-PATENT-APPL-SN-279646	c 08	N71-21042 *	#
US-PATENT-APPL-SN-242795	c 37	N84-22957 *	#	US-PATENT-APPL-SN-261917	c 09	N70-40272 *	#	US-PATENT-APPL-SN-280029	c 35	N74-15126 *	#
US-PATENT-APPL-SN-242796	c 44	N83-13579 *	#	US-PATENT-APPL-SN-261918	c 28	N70-41447 *	#	US-PATENT-APPL-SN-280031	c 26	N73-26752 *	#
US-PATENT-APPL-SN-242797	c 74	N85-22139 *	#	US-PATENT-APPL-SN-262430	c 35	N74-18323 *	#	US-PATENT-APPL-SN-280032	c 35	N74-15093 *	#
US-PATENT-APPL-SN-243374	c 15	N77-10112 *	#	US-PATENT-APPL-SN-262596	c 14	N71-28958 *	#	US-PATENT-APPL-SN-280151	c 27	N83-36220 *	#
US-PATENT-APPL-SN-243682	c 74	N83-19596 *	#	US-PATENT-APPL-SN-262596	c 62	N76-31946 *	#	US-PATENT-APPL-SN-280152	c 54	N86-22112 *	#
US-PATENT-APPL-SN-243683	c 33	N81-22280 *	#	US-PATENT-APPL-SN-263230	c 33	N74-20860 *	#	US-PATENT-APPL-SN-280153	c 51	N83-17045 *	#
US-PATENT-APPL-SN-243683	c 33	N83-28319 *	#	US-PATENT-APPL-SN-263498	c 34	N74-27859 *	#	US-PATENT-APPL-SN-280154	c 33	N83-10345 *	#
US-PATENT-APPL-SN-243683	c 33	N84-14424 *	#	US-PATENT-APPL-SN-263735	c 02	N70-33286 *	#	US-PATENT-APPL-SN-280155	c 24	N84-11214 *	#
US-PATENT-APPL-SN-243683	c 33	N84-33660 *	#	US-PATENT-APPL-SN-263735	c 02	N70-34858 *	#	US-PATENT-APPL-SN-280305	c 34	N74-23039 *	#
US-PATENT-APPL-SN-243684	c 37	N84-12492 *	#	US-PATENT-APPL-SN-263815	c 09	N74-17955 *	#	US-PATENT-APPL-SN-280362	c 14	N71-28935 *	#
US-PATENT-APPL-SN-244158	c 32	N74-20863 *	#	US-PATENT-APPL-SN-263828	c 34	N83-19015 *	#	US-PATENT-APPL-SN-280390	c 37	N74-15128 *	#
US-PATENT-APPL-SN-244440	c 21	N73-19630 *	#	US-PATENT-APPL-SN-263829	c 05	N84-12154 *	#	US-PATENT-APPL-SN-280580	c 12	N71-21089 *	#
US-PATENT-APPL-SN-244440	c 14	N73-32320 *	#	US-PATENT-APPL-SN-263830	c 44	N83-28573 *	#	US-PATENT-APPL-SN-280776	c 14	N70-40273 *	#
US-PATENT-APPL-SN-244519	c 37	N74-18125 *	#	US-PATENT-APPL-SN-263957	c 52	N83-25346 *	#	US-PATENT-APPL-SN-280777	c 08	N70-41961 *	#
US-PATENT-APPL-SN-244523	c 31	N73-30829 *	#	US-PATENT-APPL-SN-264268	c 31	N78-17238 *	#	US-PATENT-APPL-SN-281069	c 14	N70-35394 *	#
US-PATENT-APPL-SN-244566	c 74	N74-20008 *	#	US-PATENT-APPL-SN-264378	c 24	N83-10117 *	#	US-PATENT-APPL-SN-28175	c 21	N70-33279 *	#
US-PATENT-APPL-SN-245063	c 33	N74-11049 *	#	US-PATENT-APPL-SN-264380	c 44	N84-28565 *	#	US-PATENT-APPL-SN-281875	c 25	N74-18551 *	#
US-PATENT-APPL-SN-245279	c 25	N74-30502 *	#	US-PATENT-APPL-SN-264381	c 52	N83-14692 *	#	US-PATENT-APPL-SN-281876	c 52	N74-20726 *	#
US-PATENT-APPL-SN-245571	c 07	N84-22560 *	#	US-PATENT-APPL-SN-264381	c 52	N84-28388 *	#	US-PATENT-APPL-SN-281877	c 35	N74-15146 *	#
US-PATENT-APPL-SN-245941	c 33	N71-17897 *	#	US-PATENT-APPL-SN-264728	c 30	N84-28389 *	#	US-PATENT-APPL-SN-281908	c 25	N75-12086 *	#
US-PATENT-APPL-SN-246056	c 38	N74-15395 *	#	US-PATENT-APPL-SN-264729	c 33	N70-40016 *	#	US-PATENT-APPL-SN-282129	c 24	N83-25789 *	#
US-PATENT-APPL-SN-246294	c 27	N82-29454 *	#	US-PATENT-APPL-SN-264732	c 33	N70-34540 *	#	US-PATENT-APPL-SN-282191	c 35	N83-29651 *	#
US-PATENT-APPL-SN-246295	c 27	N82-29452 *	#	US-PATENT-APPL-SN-264731	c 09	N70-41655 *	#	US-PATENT-APPL-SN-282192	c 74	N83-21949 *	#
US-PATENT-APPL-SN-246772	c 44	N83-10494 *	#	US-PATENT-APPL-SN-264735	c 28	N70-33265 *	#	US-PATENT-APPL-SN-282298	c 33	N85-21444 *	#
US-PATENT-APPL-SN-246773	c 35	N83-29650 *	#	US-PATENT-APPL-SN-264736	c 28	N70-36802 *	#	US-PATENT-APPL-SN-28235	c 10	N72-17171 *	#
US-PATENT-APPL-SN-246774	c 34	N83-31993 *	#	US-PATENT-APPL-SN-26573	c 31	N72-22874 *	#	US-PATENT-APPL-SN-282817	c 15	N70-40156 *	#
US-PATENT-APPL-SN-246777	c 45	N83-25217 *	#	US-PATENT-APPL-SN-266107	c 11	N71-15925 *	#	US-PATENT-APPL-SN-282818	c 14	N71-14996 *	#
US-PATENT-APPL-SN-246778	c 36	N83-35350 *	#	US-PATENT-APPL-SN-266253	c 04	N84-22546 *	#	US-PATENT-APPL-SN-283502	c 37	N74-21060 *	#
US-PATENT-APPL-SN-247055	c 37	N74-11300 *	#	US-PATENT-APPL-SN-266254	c 24	N83-13172 *	#	US-PATENT-APPL-SN-284245	c 33	N74-17928 *	#
US-PATENT-APPL-SN-247090	c 37	N74-18128 *	#	US-PATENT-APPL-SN-266255	c 44	N83-27344 *	#	US-PATENT-APPL-SN-284265	c 14	N70-34799 *	#
US-PATENT-APPL-SN-247136	c 14	N71-30265 *	#	US-PATENT-APPL-SN-266256	c 24	N83-13171 *	#	US-PATENT-APPL-SN-284266	c 15	N71-16077 *	#
US-PATENT-APPL-SN-247419	c 14	N70-36907 *	#	US-PATENT-APPL-SN-266687	c 32	N84-22820 *	#	US-PATENT-APPL-SN-284286	c 44	N84-28203 *	#
US-PATENT-APPL-SN-247423	c 01	N71-13410 *	#	US-PATENT-APPL-SN-266688	c 37	N83-36483 *	#	US-PATENT-APPL-SN-284287	c 32	N84-27951 *	#
US-PATENT-APPL-SN-247434	c 25	N76-29379 *	#	US-PATENT-APPL-SN-266771	c 37	N74-18127 *	#	US-PATENT-APPL-SN-284288	c 33	N83-36356 *	#
US-PATENT-APPL-SN-247434	c 25	N76-27383 *	#	US-PATENT-APPL-SN-266820	c 07	N74-31270 *	#	US-PATENT-APPL-SN-284289	c 34	N84-22903 *	#
US-PATENT-APPL-SN-247481	c 05	N73-26071 *	#	US-PATENT-APPL-SN-266822	c 32	N74-10132 *	#	US-PATENT-APPL-SN-284290	c 33	N83-34191 *	#
US-PATENT-APPL-SN-248469	c 14	N73-32318 *	#	US-PATENT-APPL-SN-266832	c 33	N74-10195 *	#	US-PATENT-APPL-SN-284314	c 33	N84-16454 *	#
US-PATENT-APPL-SN-248471	c 31	N74-27902 *	#	US-PATENT-APPL-SN-266866	c 33	N73-32818 *	#	US-PATENT-APPL-SN-285705	c 37	N74-21056 *	#
US-PATENT-APPL-SN-248744	c 05	N83-19737 *	#	US-PATENT-APPL-SN-266889	c 60	N74-12888 *	#	US-PATENT-APPL-SN-286620	c 15	N71-30028 *	#
US-PATENT-APPL-SN-248745	c 18	N83-29303 *	#	US-PATENT-APPL-SN-266911	c 36	N74-20009 *	#	US-PATENT-APPL-SN-286824	c 44	N79-19447 *	#
US-PATENT-APPL-SN-248746	c 37	N83-36482 *	#	US-PATENT-APPL-SN-266912	c 32	N74-19788 *	#	US-PATENT-APPL-SN-287149	c 35	N74-32878 *	#
US-PATENT-APPL-SN-248761	c 15	N74-27360 *	#	US-PATENT-APPL-SN-266913	c 31	N74-23065 *	#	US-PATENT-APPL-SN-287150	c 37	N74-21065 *	#
US-PATENT-APPL-SN-248985	c 03	N71-29129 *	#	US-PATENT-APPL-SN-266925	c 54	N74-17853 *	#	US-PATENT-APPL-SN-288267	c 27	N83-31854 *	#
US-PATENT-APPL-SN-249304	c 35	N84-14491 *	#	US-PATENT-APPL-SN-266928	c 26	N74-10521 *	#	US-PATENT-APPL-SN-288267	c 27	N83-22745 *	#
US-PATENT-APPL-SN-249537	c 14	N71-10797 *	#	US-PATENT-APPL-SN-266930	c 54	N74-12779 *	#	US-PATENT-APPL-SN-288267	c 27	N85-21347 *	#
US-PATENT-APPL-SN-249539	c 28	N71-15658 *	#	US-PATENT-APPL-SN-266940	c 32	N74-32598 *	#	US-PATENT-APPL-SN-288847	c 33	N74-27862 *	#
US-PATENT-APPL-SN-249540	c 15	N70-34861 *	#	US-PATENT-APPL-SN-266943	c 72	N74-19310 *	#	US-PATENT-APPL-SN-288856	c 33	N74-20859 *	#
US-PATENT-APPL-SN-249542	c 28	N70-41576 *	#	US-PATENT-APPL-SN-267178	c 74	N84-11920 *	#	US-PATENT-APPL-SN-288857	c 14	N73-33361 *	#
US-PATENT-APPL-SN-250451	c 08	N70-34787 *	#	US-PATENT-APPL-SN-267179	c 35	N84-12445 *	#	US-PATENT-APPL-SN-289017	c 37	N74-27905 *	#
US-PATENT-APPL-SN-250567	c 33	N71-24876 *	#	US-PATENT-APPL-SN-267572	c 73	N74-26767 *	#	US-PATENT-APPL-SN-289018	c 08	N74-30421 *	#
US-PATENT-APPL-SN-250585	c 32	N85-21428 *	#	US-PATENT-APPL-SN-267768	c 70	N74-21300 *	#	US-PATENT-APPL-SN-289033	c 15	N73-32358 *	#
US-PATENT-APPL-SN-250766	c 07	N73-30115 *	#	US-PATENT-APPL-SN-267835	c 33	N74-21851 *	#	US-PATENT-APPL-SN-289033	c 37	N74-21055 *	#
US-PATENT-APPL-SN-250974	c 31	N71-15664 *	#	US-PATENT-APPL-SN-267935	c 71	N83-17235 *	#	US-PATENT-APPL-SN-289048	c 37	N74-21057 *	#
US-PATENT-APPL-SN-251009	c 33	N84-16452 *	#	US-PATENT-APPL-SN-269073	c 52	N74-26625 *	#	US-PATENT-APPL-SN-289049	c 19	N74-15089 *	#
US-PATENT-APPL-SN-251449	c 07	N70-40063 *	#	US-PATENT-APPL-SN-269212	c 07	N71-10775 *	#	US-PATENT-APPL-SN-289050	c 20	N74-32919 *	#
US-PATENT-APPL-SN-251451	c 09	N70-35425 *	#	US-PATENT-APPL-SN-269215	c 14	N70-41332 *	#	US-PATENT-APPL-SN-290021	c 37	N74-23064 *	#
US-PATENT-APPL-SN-251609	c 05	N73-30078 *	#	US-PATENT-APPL-SN-269222	c 15	N70-38225 *	#	US-PATENT-APPL-SN-290022	c 09	N73-12214 *	#
US-PATENT-APPL-SN-251621	c 16	N73-32391 *	#	US-PATENT-APPL-SN-269450	c 36	N76-18427 *	#	US-PATENT-APPL-SN-290030	c 33	N74-12887 *	#
US-PATENT-APPL-SN-251752	c 24	N74-30001 *	#	US-PATENT-APPL-SN-270118	c 33	N71-17610 *	#	US-PATENT-APPL-SN-290043	c 18	N75-27040 *	#
US-PATENT-APPL-SN-251755	c 28	N70-39895 *	#	US-PATENT-APPL-SN-270763	c 36	N84-14509 *	#	US-PATENT-APPL-SN-290867	c 28	N70-39931 *	#
US-PATENT-APPL-SN-252259	c 33	N70-34545 *	#	US-PATENT-APPL-SN-271821	c 15	N71-10778 *	#	US-PATENT-APPL-SN-290868	c 31	N70-34966 *	#
US-PATENT-APPL-SN-253249	c 33	N74-11050 *	#	US-PATENT-APPL-SN-271822	c 15	N71-15967 *	#	US-PATENT-APPL-SN-290870	c 15	N70-38996 *	#
US-PATENT-APPL-SN-253405	c 10	N73-26228 *	#	US-PATENT-APPL-SN-271823	c 27	N71-28929 *	#	US-PATENT-APPL-SN-290873	c 10	N71-16058 *	#
US-PATENT-APPL-SN-253725	c 35	N74-13129 *	#	US-PATENT-APPL-SN-271824	c 07	N71-21476 *	#	US-PATENT-APPL-SN-290915	c 32	N74-11000 *	#
US-PATENT-APPL-SN-253774	c 25	N70-36946 *	#	US-PATENT-APPL-SN-271951	c 35	N74-15092 *	#	US-PATENT-APPL-SN-291131	c 33	N83-31953 *	#
US-PATENT-APPL-SN-254173	c 35	N75-13213 *	#	US-PATENT-APPL-SN-272152	c 27	N83-29388 *	#	US-PATENT-APPL-SN-291132	c 33	N83-35227 *	#
US-PATENT-APPL-SN-254177	c 10	N73-26230 *	#	US-PATENT-APPL-SN-272233	c 44	N81-27615 *	#	US-PATENT-APPL-SN-291645	c 60	N85-21992 *	#
US-PATENT-APPL-SN-254323	c 35	N76-15434 *	#	US-PATENT-APPL-SN-272234	c 25	N83-13188 *	#	US-PATENT-APPL-SN-291845	c 52	N74-27566 *	#
US-PATENT-APPL-SN-254575	c 25	N83-10126 *	#	US-PATENT-APPL-SN-272406	c 33	N84-14422 *	#	US-PATENT-APPL-SN-292340	c 52	N79-21750 *	#
US-PATENT-APPL-SN-254688	c 52	N83-27577 *	#	US-PATENT-APPL-SN-272407	c 52	N83-21785 *	#	US-PATENT-APPL-SN-292382	c 27	N74-17283 *	#
US-PATENT-APPL-SN-254847	c 15	N71-22874 *	#	US-PATENT-APPL-SN-272837	c 71	N83-36846 *	#	US-PATENT-APPL-SN-292477	c 15	N73-12495 *	#
US-PATENT-APPL-SN-25487	c 08	N72-21197 *	#	US-PATENT-APPL-SN-273222	c 33	N74-27683 *	#	US-PATENT-APPL-SN-292596	c 10	N71-29135 *	#
US-PATENT-APPL-SN-25488	c 08	N72-25206 *	#	US-PATENT-APPL-SN-273240							

US-PATENT-APPL-SN-293739	c 35	N74-28097 *	#	US-PATENT-APPL-SN-315069	c 33	N74-20862 *	#	US-PATENT-APPL-SN-334672	c 14	N70-41330 *	#
US-PATENT-APPL-SN-294727	c 73	N77-18891 *	#	US-PATENT-APPL-SN-315070	c 60	N76-23850 *	#	US-PATENT-APPL-SN-334678	c 11	N71-10777 *	#
US-PATENT-APPL-SN-294738	c 73	N78-28913 *	#	US-PATENT-APPL-SN-315096	c 12	N70-40124 *	#	US-PATENT-APPL-SN-335036	c 45	N84-12654 *	#
US-PATENT-APPL-SN-295855	c 23	N71-17802 *	#	US-PATENT-APPL-SN-3151	c 05	N72-27102 *	#	US-PATENT-APPL-SN-335201	c 33	N74-17927 *	#
US-PATENT-APPL-SN-296137	c 74	N84-28590 *	#	US-PATENT-APPL-SN-315278	c 51	N83-28849 *	#	US-PATENT-APPL-SN-33535	c 06	N72-17093 *	#
US-PATENT-APPL-SN-296622	c 44	N76-31666 *	#	US-PATENT-APPL-SN-315583	c 35	N84-33769 *	#	US-PATENT-APPL-SN-335441	c 14	N71-23268 *	#
US-PATENT-APPL-SN-296879	c 26	N71-18064 *	#	US-PATENT-APPL-SN-315584	c 23	N84-16255 *	#	US-PATENT-APPL-SN-336103	c 16	N71-15550 *	#
US-PATENT-APPL-SN-297127	c 33	N74-27705 *	#	US-PATENT-APPL-SN-315587	c 25	N83-31743 *	#	US-PATENT-APPL-SN-336319	c 44	N74-33379 *	#
US-PATENT-APPL-SN-297128	c 32	N74-26654 *	#	US-PATENT-APPL-SN-315588	c 05	N84-22551 *	#	US-PATENT-APPL-SN-336320	c 15	N71-15966 *	#
US-PATENT-APPL-SN-297436	c 33	N79-11314 *	#	US-PATENT-APPL-SN-316477	c 18	N71-10772 *	#	US-PATENT-APPL-SN-336607	c 10	N71-15910 *	#
US-PATENT-APPL-SN-297486	c 35	N83-24828 *	#	US-PATENT-APPL-SN-316618	c 07	N74-15453 *	#	US-PATENT-APPL-SN-336608	c 32	N71-17645 *	#
US-PATENT-APPL-SN-297488	c 37	N84-16561 *	#	US-PATENT-APPL-SN-31702	c 16	N73-16536 *	#	US-PATENT-APPL-SN-337487	c 33	N74-26977 *	#
US-PATENT-APPL-SN-297524	c 33	N84-14424 *	#	US-PATENT-APPL-SN-31703	c 09	N72-21244 *	#	US-PATENT-APPL-SN-337816	c 35	N75-15931 *	#
US-PATENT-APPL-SN-297524	c 33	N84-22886 *	#	US-PATENT-APPL-SN-317310	c 36	N77-25502 *	#	US-PATENT-APPL-SN-338386	c 15	N84-16231 *	#
US-PATENT-APPL-SN-298156	c 37	N75-13261 *	#	US-PATENT-APPL-SN-317389	c 18	N70-41583 *	#	US-PATENT-APPL-SN-338484	c 32	N74-20811 *	#
US-PATENT-APPL-SN-298156	c 26	N75-19408 *	#	US-PATENT-APPL-SN-317391	c 15	N71-15968 *	#	US-PATENT-APPL-SN-339040	c 31	N70-41373 *	#
US-PATENT-APPL-SN-298157	c 33	N74-21850 *	#	US-PATENT-APPL-SN-317567	c 36	N75-15029 *	#	US-PATENT-APPL-SN-339806	c 07	N74-27490 *	#
US-PATENT-APPL-SN-298799	c 14	N71-15962 *	#	US-PATENT-APPL-SN-317658	c 36	N84-16542 *	#	US-PATENT-APPL-SN-339821	c 17	N70-33288 *	#
US-PATENT-APPL-SN-298800	c 14	N70-34705 *	#	US-PATENT-APPL-SN-317977	c 25	N83-36118 *	#	US-PATENT-APPL-SN-339825	c 28	N71-15660 *	#
US-PATENT-APPL-SN-299042	c 15	N71-15918 *	#	US-PATENT-APPL-SN-318151	c 75	N74-30156 *	#	US-PATENT-APPL-SN-340113	c 16	N70-41578 *	#
US-PATENT-APPL-SN-29917	c 15	N73-13465 *	#	US-PATENT-APPL-SN-318152	c 52	N74-20728 *	#	US-PATENT-APPL-SN-340791	c 35	N74-26945 *	#
US-PATENT-APPL-SN-29917	c 26	N74-10521 *	#	US-PATENT-APPL-SN-318357	c 35	N74-21019 *	#	US-PATENT-APPL-SN-340862	c 33	N77-26387 *	#
US-PATENT-APPL-SN-29917	c 37	N74-13179 *	#	US-PATENT-APPL-SN-318358	c 27	N74-27037 *	#	US-PATENT-APPL-SN-340863	c 25	N76-27383 *	#
US-PATENT-APPL-SN-29979	c 09	N75-15662 *	#	US-PATENT-APPL-SN-318443	c 03	N70-34667 *	#	US-PATENT-APPL-SN-340864	c 31	N74-21059 *	#
US-PATENT-APPL-SN-300113	c 33	N70-33344 *	#	US-PATENT-APPL-SN-318848	c 35	N77-14408 *	#	US-PATENT-APPL-SN-340871	c 44	N74-19870 *	#
US-PATENT-APPL-SN-300712	c 15	N70-35407 *	#	US-PATENT-APPL-SN-318885	c 10	N72-17172 *	#	US-PATENT-APPL-SN-341406	c 71	N83-35781 *	#
US-PATENT-APPL-SN-300957	c 33	N71-29053 *	#	US-PATENT-APPL-SN-319150	c 33	N75-19519 *	#	US-PATENT-APPL-SN-341467	c 15	N70-39924 *	#
US-PATENT-APPL-SN-301039	c 37	N74-27903 *	#	US-PATENT-APPL-SN-319410	c 37	N74-20063 *	#	US-PATENT-APPL-SN-341621	c 54	N74-20725 *	#
US-PATENT-APPL-SN-301075	c 25	N83-29324 *	#	US-PATENT-APPL-SN-319892	c 07	N71-10609 *	#	US-PATENT-APPL-SN-341662	c 08	N74-10942 *	#
US-PATENT-APPL-SN-301077	c 33	N84-14421 *	#	US-PATENT-APPL-SN-319893	c 14	N70-41647 *	#	US-PATENT-APPL-SN-3417	c 15	N72-22490 *	#
US-PATENT-APPL-SN-301078	c 08	N85-19985 *	#	US-PATENT-APPL-SN-319894	c 03	N71-11053 *	#	US-PATENT-APPL-SN-3418	c 15	N72-20446 *	#
US-PATENT-APPL-SN-301417	c 71	N74-21014 *	#	US-PATENT-APPL-SN-319905	c 14	N71-10781 *	#	US-PATENT-APPL-SN-3418	c 15	N73-19457 *	#
US-PATENT-APPL-SN-301418	c 52	N76-29894 *	#	US-PATENT-APPL-SN-320233	c 33	N71-15625 *	#	US-PATENT-APPL-SN-342572	c 02	N71-16087 *	#
US-PATENT-APPL-SN-301419	c 34	N76-17317 *	#	US-PATENT-APPL-SN-320595	c 26	N70-40015 *	#	US-PATENT-APPL-SN-342574	c 03	N71-20904 *	#
US-PATENT-APPL-SN-301683	c 07	N71-15907 *	#	US-PATENT-APPL-SN-320621	c 27	N83-34040 *	#	US-PATENT-APPL-SN-342828	c 74	N85-29749 *	#
US-PATENT-APPL-SN-302681	c 37	N75-12326 *	#	US-PATENT-APPL-SN-321179	c 27	N74-21156 *	#	US-PATENT-APPL-SN-342857	c 72	N84-28575 *	#
US-PATENT-APPL-SN-302749	c 14	N70-40201 *	#	US-PATENT-APPL-SN-321180	c 05	N76-29217 *	#	US-PATENT-APPL-SN-342858	c 27	N82-26460 *	#
US-PATENT-APPL-SN-302913	c 76	N79-16678 *	#	US-PATENT-APPL-SN-321656	c 14	N70-41807 *	#	US-PATENT-APPL-SN-342871	c 27	N84-33589 *	#
US-PATENT-APPL-SN-303670	c 37	N82-11469 *	#	US-PATENT-APPL-SN-322312	c 25	N84-22709 *	#	US-PATENT-APPL-SN-343308	c 19	N74-29410 *	#
US-PATENT-APPL-SN-303671	c 31	N83-31896 *	#	US-PATENT-APPL-SN-322314	c 35	N84-12443 *	#	US-PATENT-APPL-SN-343425	c 11	N70-35383 *	#
US-PATENT-APPL-SN-303672	c 71	N83-32516 *	#	US-PATENT-APPL-SN-322316	c 31	N83-19947 *	#	US-PATENT-APPL-SN-343426	c 07	N71-20814 *	#
US-PATENT-APPL-SN-304430	c 52	N74-27864 *	#	US-PATENT-APPL-SN-322317	c 46	N85-21846 *	#	US-PATENT-APPL-SN-343607	c 18	N74-27397 *	#
US-PATENT-APPL-SN-304698	c 32	N70-41579 *	#	US-PATENT-APPL-SN-322321	c 37	N85-21651 *	#	US-PATENT-APPL-SN-343760	c 07	N71-28979 *	#
US-PATENT-APPL-SN-304705	c 32	N74-20810 *	#	US-PATENT-APPL-SN-322545	c 14	N71-10774 *	#	US-PATENT-APPL-SN-344410	c 07	N74-33218 *	#
US-PATENT-APPL-SN-304749	c 11	N71-16028 *	#	US-PATENT-APPL-SN-322565	c 37	N75-27376 *	#	US-PATENT-APPL-SN-344793	c 03	N71-11058 *	#
US-PATENT-APPL-SN-30498	c 37	N74-21063 *	#	US-PATENT-APPL-SN-322997	c 37	N75-15992 *	#	US-PATENT-APPL-SN-345372	c 33	N74-22814 *	#
US-PATENT-APPL-SN-305012	c 35	N74-15094 *	#	US-PATENT-APPL-SN-322997	c 24	N79-25143 *	#	US-PATENT-APPL-SN-346356	c 14	N70-41676 *	#
US-PATENT-APPL-SN-305013	c 14	N73-13435 *	#	US-PATENT-APPL-SN-322998	c 35	N74-32877 *	#	US-PATENT-APPL-SN-346361	c 37	N74-21064 *	#
US-PATENT-APPL-SN-305020	c 21	N70-34295 *	#	US-PATENT-APPL-SN-323182	c 03	N70-41864 *	#	US-PATENT-APPL-SN-346372	c 35	N75-12270 *	#
US-PATENT-APPL-SN-305638	c 34	N74-23066 *	#	US-PATENT-APPL-SN-324029	c 32	N74-27612 *	#	US-PATENT-APPL-SN-346483	c 37	N74-32921 *	#
US-PATENT-APPL-SN-305639	c 37	N74-27904 *	#	US-PATENT-APPL-SN-32496	c 15	N70-37925 *	#	US-PATENT-APPL-SN-346483	c 37	N76-15461 *	#
US-PATENT-APPL-SN-306652	c 33	N74-32712 *	#	US-PATENT-APPL-SN-325082	c 35	N83-29652 *	#	US-PATENT-APPL-SN-347101	c 09	N70-41675 *	#
US-PATENT-APPL-SN-307269	c 24	N71-10560 *	#	US-PATENT-APPL-SN-325083	c 33	N84-16456 *	#	US-PATENT-APPL-SN-347626	c 15	N70-40204 *	#
US-PATENT-APPL-SN-307270	c 10	N71-16030 *	#	US-PATENT-APPL-SN-325784	c 24	N76-14204 *	#	US-PATENT-APPL-SN-347952	c 37	N75-13265 *	#
US-PATENT-APPL-SN-307271	c 09	N71-22999 *	#	US-PATENT-APPL-SN-325885	c 35	N82-25484 *	#	US-PATENT-APPL-SN-347953	c 05	N75-24716 *	#
US-PATENT-APPL-SN-307714	c 03	N76-32140 *	#	US-PATENT-APPL-SN-325886	c 33	N83-34190 *	#	US-PATENT-APPL-SN-347960	c 03	N70-39930 *	#
US-PATENT-APPL-SN-307727	c 32	N74-20813 *	#	US-PATENT-APPL-SN-325931	c 37	N82-26674 *	#	US-PATENT-APPL-SN-348422	c 27	N76-15311 *	#
US-PATENT-APPL-SN-307728	c 34	N74-27861 *	#	US-PATENT-APPL-SN-325932	c 33	N84-16455 *	#	US-PATENT-APPL-SN-348600	c 28	N71-29154 *	#
US-PATENT-APPL-SN-307729	c 31	N74-27900 *	#	US-PATENT-APPL-SN-325933	c 76	N83-20789 *	#	US-PATENT-APPL-SN-348787	c 33	N75-19521 *	#
US-PATENT-APPL-SN-308007	c 44	N83-34448 *	#	US-PATENT-APPL-SN-326198	c 35	N75-12272 *	#	US-PATENT-APPL-SN-349778	c 09	N70-40234 *	#
US-PATENT-APPL-SN-308009	c 33	N83-36355 *	#	US-PATENT-APPL-SN-326298	c 14	N71-22765 *	#	US-PATENT-APPL-SN-349781	c 31	N71-15647 *	#
US-PATENT-APPL-SN-308201	c 27	N83-28240 *	#	US-PATENT-APPL-SN-326299	c 26	N71-17818 *	#	US-PATENT-APPL-SN-349782	c 09	N71-16086 *	#
US-PATENT-APPL-SN-308201	c 27	N85-21349 *	#	US-PATENT-APPL-SN-326326	c 35	N74-32879 *	#	US-PATENT-APPL-SN-34989	c 36	N74-13205 *	#
US-PATENT-APPL-SN-308203	c 34	N84-12406 *	#	US-PATENT-APPL-SN-326327	c 44	N74-27519 *	#	US-PATENT-APPL-SN-350249	c 36	N75-15028 *	#
US-PATENT-APPL-SN-308204	c 44	N83-28574 *	#	US-PATENT-APPL-SN-326364	c 51	N75-13502 *	#	US-PATENT-APPL-SN-350250	c 27	N75-27160 *	#
US-PATENT-APPL-SN-308918	c 27	N71-15634 *	#	US-PATENT-APPL-SN-32664	c 11	N72-25287 *	#	US-PATENT-APPL-SN-350300	c 31	N74-32920 *	#
US-PATENT-APPL-SN-309291	c 37	N82-20544 *	#	US-PATENT-APPL-SN-32665	c 14	N72-22444 *	#	US-PATENT-APPL-SN-350471	c 35	N85-29213 *	#
US-PATENT-APPL-SN-309292	c 37	N84-28085 *	#	US-PATENT-APPL-SN-327163	c 03	N71-20895 *	#	US-PATENT-APPL-SN-350472	c 33	N84-14424 *	#
US-PATENT-APPL-SN-309293	c 25	N83-13187 *	#	US-PATENT-APPL-SN-327555	c 02	N70-36025 *	#	US-PATENT-APPL-SN-350473	c 07	N64-22553 *	#
US-PATENT-APPL-SN-309354	c 11	N71-15926 *	#	US-PATENT-APPL-SN-327921	c 54	N75-13531 *	#	US-PATENT-APPL-SN-350474	c 35	N84-22928 *	#
US-PATENT-APPL-SN-310034	c 32	N74-30524 *	#	US-PATENT-APPL-SN-327969	c 35	N75-13213 *	#	US-PATENT-APPL-SN-350475	c 35	N84-28017 *	#
US-PATENT-APPL-SN-310193	c 33	N74-27682 *	#	US-PATENT-APPL-SN-328140	c 18	N71-21651 *	#	US-PATENT-APPL-SN-350476	c 26	N84-22734 *	#
US-PATENT-APPL-SN-310506	c 10	N71-16042 *	#	US-PATENT-APPL-SN-328760	c 31	N83-35177 *	#	US-PATENT-APPL-SN-350477	c 35	N84-33765 *	#
US-PATENT-APPL-SN-310507	c 07	N71-11298 *	#	US-PATENT-APPL-SN-328792	c 35	N75-12273 *	#	US-PATENT-APPL-SN-351259	c 15	N71-10672 *	#
US-PATENT-APPL-SN-310615	c 37	N74-27901 *	#	US-PATENT-APPL-SN-329237	c 33	N74-34638 *	#	US-PATENT-APPL-SN-351929	c 33	N75-14957 *	#
US-PATENT-APPL-SN-310616	c 35	N74-21017 *	#	US-PATENT-APPL-SN-329243	c 28	N74-33209 *	#	US-PATENT-APPL-SN-351950	c 33	N75-27249 *	#
US-PATENT-APPL-SN-310624	c 33	N74-17929 *	#	US-PATENT-APPL-SN-329331	c 15	N71-15906 *	#	US-PATENT-APPL-SN-352381	c 20	N75-18310 *	#
US-PATENT-APPL-SN-310714	c 33	N82-11360 *	#	US-PATENT-APPL-SN-329595	c 05	N70-41329 *	#	US-PATENT-APPL-SN-352381	c 37	N76-14461 *	#
US-PATENT-APPL-SN-311175	c 52	N74-22771 *	#	US-PATENT-APPL-SN-329958	c 33	N74-22885 *	#	US-PATENT-APPL-SN-352382	c 60	N75-13539 *	#
US-PATENT-APPL-SN-311234	c 35	N74-23040 *	#	US-PATENT-APPL-SN-330209	c 15	N70-41646 *	#	US-PATENT-APPL-SN-352383	c 35	N75-16783 *	#
US-PATENT-APPL-SN-311387	c 23	N71-30027 *	#	US-PATENT-APPL-SN-330210	c 14	N71-21090 *	#	US-PATENT-APPL-SN-352400	c 26	N71-10607 *	#
US-PATENT-APPL-SN-312269	c 28	N71-14043 *	#	US-PATENT-APPL-SN-331323	c 07	N71-16088 *	#	US-PATENT-APPL-SN-352821	c 44	N84-28205 *	#
US-PATENT-APPL-SN-31242	c 28	N70-33374 *	#	US-PATENT-APPL-SN-331324	c 05	N70-35152 *	#	US-PATENT-APPL-SN-352827	c 35	N84-28015 *	#
US-PATENT-APPL-SN-312443	c 10	N71-21473 *	#	US-PATENT-APPL-SN-33159	c 10	N72-11256 *	#	US-PATENT-APPL-SN-352827	c 35	N85-21598 *	#
US-PATENT-APPL-SN-313132	c 28	N70-34175 *	#	US-PATENT-APPL-SN-331759	c 07	N76-18117 *	#	US-PATENT-APPL-SN-352831	c 35		

REPORT NUMBER INDEX

US-PATENT-APPL-SN-402365

US-PATENT-APPL-SN-354408	c 35	N75-19614 *	#	US-PATENT-APPL-SN-370582	c 18	N76-14186 *	#	US-PATENT-APPL-SN-387646	c 37	N85-30336 *	#
US-PATENT-APPL-SN-354461	c 25	N74-26947 *	#	US-PATENT-APPL-SN-370872	c 37	N74-32918 *	#	US-PATENT-APPL-SN-387647	c 33	N85-34333 *	#
US-PATENT-APPL-SN-354612	c 35	N75-30504 *	#	US-PATENT-APPL-SN-370989	c 23	N71-29049 *	#	US-PATENT-APPL-SN-387648	c 37	N85-21650 *	#
US-PATENT-APPL-SN-355126	c 17	N71-15644 *	#	US-PATENT-APPL-SN-370999	c 74	N78-15879 *	#	US-PATENT-APPL-SN-387649	c 09	N85-19990 *	#
US-PATENT-APPL-SN-355129	c 14	N70-41957 *	#	US-PATENT-APPL-SN-371322	c 44	N76-14600 *	#	US-PATENT-APPL-SN-387728	c 37	N84-28084 *	#
US-PATENT-APPL-SN-355130	c 15	N70-40354 *	#	US-PATENT-APPL-SN-371351	c 76	N84-35113 *	#	US-PATENT-APPL-SN-388023	c 10	N70-41964 *	#
US-PATENT-APPL-SN-356488	c 08	N71-19544 *	#	US-PATENT-APPL-SN-371352	c 52	N84-11744 *	#	US-PATENT-APPL-SN-388024	c 32	N71-17609 *	#
US-PATENT-APPL-SN-356554	c 24	N75-33181 *	#	US-PATENT-APPL-SN-371353	c 37	N82-26676 *	#	US-PATENT-APPL-SN-38814	c 15	N72-11385 *	#
US-PATENT-APPL-SN-356555	c 37	N75-19685 *	#	US-PATENT-APPL-SN-371856	c 15	N70-42033 *	#	US-PATENT-APPL-SN-38816	c 70	N74-13436 *	#
US-PATENT-APPL-SN-356664	c 31	N75-12161 *	#	US-PATENT-APPL-SN-371857	c 07	N70-41680 *	#	US-PATENT-APPL-SN-38816	c 74	N78-15879 *	#
US-PATENT-APPL-SN-356692	c 15	N70-41371 *	#	US-PATENT-APPL-SN-372148	c 35	N74-26949 *	#	US-PATENT-APPL-SN-388966	c 31	N70-41855 *	#
US-PATENT-APPL-SN-357126	c 35	N74-34857 *	#	US-PATENT-APPL-SN-372149	c 37	N75-15050 *	#	US-PATENT-APPL-SN-388967	c 10	N71-23271 *	#
US-PATENT-APPL-SN-357312	c 27	N76-16229 *	#	US-PATENT-APPL-SN-372279	c 35	N84-28019 *	#	US-PATENT-APPL-SN-389916	c 18	N75-27041 *	#
US-PATENT-APPL-SN-357334	c 03	N71-12258 *	#	US-PATENT-APPL-SN-372438	c 30	N71-17788 *	#	US-PATENT-APPL-SN-389929	c 33	N75-25040 *	#
US-PATENT-APPL-SN-357336	c 03	N71-12259 *	#	US-PATENT-APPL-SN-372648	c 27	N71-16348 *	#	US-PATENT-APPL-SN-390049	c 37	N76-16446 *	#
US-PATENT-APPL-SN-357337	c 15	N71-10782 *	#	US-PATENT-APPL-SN-372727	c 31	N70-36845 *	#	US-PATENT-APPL-SN-390049	c 44	N76-29700 *	#
US-PATENT-APPL-SN-357340	c 23	N71-15673 *	#	US-PATENT-APPL-SN-372730	c 28	N71-28850 *	#	US-PATENT-APPL-SN-390250	c 21	N70-41856 *	#
US-PATENT-APPL-SN-358088	c 35	N84-33767 *	#	US-PATENT-APPL-SN-373587	c 33	N74-32711 *	#	US-PATENT-APPL-SN-390251	c 07	N71-23026 *	#
US-PATENT-APPL-SN-358089	c 71	N84-23233 *	#	US-PATENT-APPL-SN-373588	c 33	N75-19515 *	#	US-PATENT-APPL-SN-390466	c 24	N75-13032 *	#
US-PATENT-APPL-SN-358127	c 05	N71-12335 *	#	US-PATENT-APPL-SN-373591	c 31	N71-15692 *	#	US-PATENT-APPL-SN-390468	c 36	N75-19652 *	#
US-PATENT-APPL-SN-358398	c 36	N84-22944 *	#	US-PATENT-APPL-SN-373770	c 35	N84-34705 *	#	US-PATENT-APPL-SN-391343	c 05	N69-21473 *	#
US-PATENT-APPL-SN-359039	c 32	N74-30523 *	#	US-PATENT-APPL-SN-373771	c 35	N84-22934 *	#	US-PATENT-APPL-SN-39185	c 16	N72-25485 *	#
US-PATENT-APPL-SN-359156	c 14	N75-24794 *	#	US-PATENT-APPL-SN-373789	c 33	N84-22887 *	#	US-PATENT-APPL-SN-392092	c 51	N84-28361 *	#
US-PATENT-APPL-SN-359157	c 35	N74-18090 *	#	US-PATENT-APPL-SN-374421	c 27	N76-24405 *	#	US-PATENT-APPL-SN-392093	c 33	N82-28549 *	#
US-PATENT-APPL-SN-359382	c 32	N85-34327 *	#	US-PATENT-APPL-SN-374422	c 32	N75-24982 *	#	US-PATENT-APPL-SN-392094	c 37	N85-29283 *	#
US-PATENT-APPL-SN-359388	c 44	N83-32177 *	#	US-PATENT-APPL-SN-374423	c 36	N75-31427 *	#	US-PATENT-APPL-SN-392096	c 02	N84-11136 *	#
US-PATENT-APPL-SN-359532	c 15	N71-28959 *	#	US-PATENT-APPL-SN-374424	c 74	N75-12732 *	#	US-PATENT-APPL-SN-392103	c 44	N84-28204 *	#
US-PATENT-APPL-SN-359626	c 35	N84-28018 *	#	US-PATENT-APPL-SN-374441	c 35	N75-19616 *	#	US-PATENT-APPL-SN-392104	c 37	N85-20338 *	#
US-PATENT-APPL-SN-359627	c 35	N82-26631 *	#	US-PATENT-APPL-SN-374583	c 33	N74-29556 *	#	US-PATENT-APPL-SN-392823	c 25	N74-33378 *	#
US-PATENT-APPL-SN-359627	c 35	N85-29214 *	#	US-PATENT-APPL-SN-374810	c 27	N80-32514 *	#	US-PATENT-APPL-SN-392944	c 76	N85-29800 *	#
US-PATENT-APPL-SN-359957	c 07	N74-32418 *	#	US-PATENT-APPL-SN-375401	c 17	N71-16025 *	#	US-PATENT-APPL-SN-392965	c 18	N71-22998 *	#
US-PATENT-APPL-SN-359958	c 37	N74-26976 *	#	US-PATENT-APPL-SN-375405	c 31	N71-15675 *	#	US-PATENT-APPL-SN-392969	c 09	N71-23573 *	#
US-PATENT-APPL-SN-360180	c 17	N71-16026 *	#	US-PATENT-APPL-SN-375620	c 43	N85-21723 *	#	US-PATENT-APPL-SN-392970	c 32	N70-41367 *	#
US-PATENT-APPL-SN-360182	c 31	N70-36654 *	#	US-PATENT-APPL-SN-375674	c 28	N70-41582 *	#	US-PATENT-APPL-SN-392973	c 07	N71-23001 *	#
US-PATENT-APPL-SN-360878	c 03	N71-11051 *	#	US-PATENT-APPL-SN-375680	c 10	N71-28739 *	#	US-PATENT-APPL-SN-392992	c 15	N71-23052 *	#
US-PATENT-APPL-SN-361215	c 27	N84-14323 *	#	US-PATENT-APPL-SN-375682	c 31	N70-41588 *	#	US-PATENT-APPL-SN-39342	c 09	N72-25252 *	#
US-PATENT-APPL-SN-361216	c 35	N84-28016 *	#	US-PATENT-APPL-SN-375684	c 44	N85-21769 *	#	US-PATENT-APPL-SN-39343	c 34	N74-18552 *	#
US-PATENT-APPL-SN-361217	c 71	N85-22104 *	#	US-PATENT-APPL-SN-375784	c 26	N82-26431 *	#	US-PATENT-APPL-SN-39344	c 14	N72-25409 *	#
US-PATENT-APPL-SN-361666	c 33	N75-30428 *	#	US-PATENT-APPL-SN-375784	c 24	N85-21266 *	#	US-PATENT-APPL-SN-393451	c 02	N70-42016 *	#
US-PATENT-APPL-SN-361711	c 24	N82-26387 *	#	US-PATENT-APPL-SN-376306	c 25	N85-35233 *	#	US-PATENT-APPL-SN-393456	c 33	N83-16633 *	#
US-PATENT-APPL-SN-361711	c 24	N84-16262 *	#	US-PATENT-APPL-SN-377146	c 14	N84-12262 *	#	US-PATENT-APPL-SN-393461	c 31	N71-17691 *	#
US-PATENT-APPL-SN-361906	c 33	N74-20861 *	#	US-PATENT-APPL-SN-377177	c 32	N71-23041 *	#	US-PATENT-APPL-SN-393464	c 23	N71-21821 *	#
US-PATENT-APPL-SN-361907	c 35	N74-27865 *	#	US-PATENT-APPL-SN-377770	c 11	N70-42003 *	#	US-PATENT-APPL-SN-393523	c 12	N75-24774 *	#
US-PATENT-APPL-SN-362145	c 32	N75-26194 *	#	US-PATENT-APPL-SN-377784	c 28	N71-16064 *	#	US-PATENT-APPL-SN-393524	c 60	N76-21914 *	#
US-PATENT-APPL-SN-362146	c 33	N75-18479 *	#	US-PATENT-APPL-SN-377891	c 52	N70-41311 *	#	US-PATENT-APPL-SN-393525	c 31	N74-32917 *	#
US-PATENT-APPL-SN-362261	c 14	N73-32325 *	#	US-PATENT-APPL-SN-377892	c 33	N84-34913 *	#	US-PATENT-APPL-SN-393526	c 77	N75-20139 *	#
US-PATENT-APPL-SN-362278	c 37	N78-17385 *	#	US-PATENT-APPL-SN-377893	c 52	N83-24763 *	#	US-PATENT-APPL-SN-393527	c 15	N75-13007 *	#
US-PATENT-APPL-SN-363130	c 25	N81-19244 *	#	US-PATENT-APPL-SN-378080	c 12	N71-24692 *	#	US-PATENT-APPL-SN-393528	c 36	N75-19654 *	#
US-PATENT-APPL-SN-363348	c 05	N70-41581 *	#	US-PATENT-APPL-SN-378126	c 44	N76-18643 *	#	US-PATENT-APPL-SN-393581	c 54	N84-23113 *	#
US-PATENT-APPL-SN-363653	c 07	N70-41331 *	#	US-PATENT-APPL-SN-378127	c 44	N76-18641 *	#	US-PATENT-APPL-SN-393582	c 37	N85-21649 *	#
US-PATENT-APPL-SN-363654	c 07	N70-41372 *	#	US-PATENT-APPL-SN-378533	c 37	N84-11497 *	#	US-PATENT-APPL-SN-393583	c 27	N83-29392 *	#
US-PATENT-APPL-SN-363691	c 20	N76-14190 *	#	US-PATENT-APPL-SN-378535	c 74	N84-23248 *	#	US-PATENT-APPL-SN-393584	c 37	N85-30334 *	#
US-PATENT-APPL-SN-364041	c 76	N85-30923 *	#	US-PATENT-APPL-SN-379019	c 09	N75-12969 *	#	US-PATENT-APPL-SN-393585	c 37	N82-31690 *	#
US-PATENT-APPL-SN-364072	c 70	N84-28565 *	#	US-PATENT-APPL-SN-379049	c 31	N75-13111 *	#	US-PATENT-APPL-SN-393586	c 54	N84-28484 *	#
US-PATENT-APPL-SN-364092	c 76	N83-35888 *	#	US-PATENT-APPL-SN-379072	c 15	N71-16078 *	#	US-PATENT-APPL-SN-393588	c 25	N84-16276 *	#
US-PATENT-APPL-SN-364093	c 37	N83-34323 *	#	US-PATENT-APPL-SN-379417	c 02	N70-41863 *	#	US-PATENT-APPL-SN-394149	c 35	N75-25123 *	#
US-PATENT-APPL-SN-364094	c 37	N84-28083 *	#	US-PATENT-APPL-SN-379601	c 71	N85-30765 *	#	US-PATENT-APPL-SN-394206	c 76	N75-25730 *	#
US-PATENT-APPL-SN-364097	c 71	N82-27086 *	#	US-PATENT-APPL-SN-379602	c 44	N84-23018 *	#	US-PATENT-APPL-SN-394207	c 25	N78-27226 *	#
US-PATENT-APPL-SN-364126	c 36	N84-22943 *	#	US-PATENT-APPL-SN-379678	c 28	N71-10780 *	#	US-PATENT-APPL-SN-394280	c 54	N82-29002 *	#
US-PATENT-APPL-SN-364867	c 09	N71-10673 *	#	US-PATENT-APPL-SN-379771	c 33	N71-28852 *	#	US-PATENT-APPL-SN-394638	c 28	N70-34162 *	#
US-PATENT-APPL-SN-365244	c 37	N78-17386 *	#	US-PATENT-APPL-SN-380046	c 25	N76-29379 *	#	US-PATENT-APPL-SN-394898	c 07	N77-28118 *	#
US-PATENT-APPL-SN-36531	c 07	N72-25174 *	#	US-PATENT-APPL-SN-380060	c 37	N75-21631 *	#	US-PATENT-APPL-SN-395348	c 15	N71-22713 *	#
US-PATENT-APPL-SN-36534	c 21	N73-14692 *	#	US-PATENT-APPL-SN-380696	c 15	N70-41993 *	#	US-PATENT-APPL-SN-395493	c 37	N79-13364 *	#
US-PATENT-APPL-SN-3654	c 35	N77-27367 *	#	US-PATENT-APPL-SN-380965	c 10	N71-23033 *	#	US-PATENT-APPL-SN-395495	c 54	N75-27759 *	#
US-PATENT-APPL-SN-365644	c 35	N74-26946 *	#	US-PATENT-APPL-SN-381940	c 09	N71-20705 *	#	US-PATENT-APPL-SN-395687	c 37	N75-18573 *	#
US-PATENT-APPL-SN-365950	c 27	N83-18908 *	#	US-PATENT-APPL-SN-382261	c 35	N76-14400 *	#	US-PATENT-APPL-SN-395868	c 33	N75-19516 *	#
US-PATENT-APPL-SN-366025	c 27	N84-22744 *	#	US-PATENT-APPL-SN-382262	c 37	N74-21058 *	#	US-PATENT-APPL-SN-395895	c 36	N78-17366 *	#
US-PATENT-APPL-SN-366103	c 76	N84-35112 *	#	US-PATENT-APPL-SN-38262	c 28	N70-35422 *	#	US-PATENT-APPL-SN-396443	c 15	N71-15986 *	#
US-PATENT-APPL-SN-366226	c 10	N71-16057 *	#	US-PATENT-APPL-SN-382676	c 15	N71-21179 *	#	US-PATENT-APPL-SN-396444	c 10	N70-20782 *	#
US-PATENT-APPL-SN-367121	c 24	N82-26389 *	#	US-PATENT-APPL-SN-383063	c 37	N84-12493 *	#	US-PATENT-APPL-SN-397281	c 76	N83-34796 *	#
US-PATENT-APPL-SN-367132	c 32	N85-21427 *	#	US-PATENT-APPL-SN-383068	c 44	N84-34792 *	#	US-PATENT-APPL-SN-397476	c 34	N75-12222 *	#
US-PATENT-APPL-SN-367134	c 44	N83-34449 *	#	US-PATENT-APPL-SN-383083	c 33	N84-16453 *	#	US-PATENT-APPL-SN-397477	c 33	N75-19517 *	#
US-PATENT-APPL-SN-367136	c 35	N85-21596 *	#	US-PATENT-APPL-SN-383086	c 36	N85-21639 *	#	US-PATENT-APPL-SN-397478	c 52	N75-33640 *	#
US-PATENT-APPL-SN-367187	c 04	N84-14132 *	#	US-PATENT-APPL-SN-383384	c 06	N84-27733 *	#	US-PATENT-APPL-SN-39755	c 08	N72-21198 *	#
US-PATENT-APPL-SN-367268	c 05	N75-25914 *	#	US-PATENT-APPL-SN-384010	c 10	N71-28859 *	#	US-PATENT-APPL-SN-397665	c 10	N70-41991 *	#
US-PATENT-APPL-SN-367293	c 36	N75-19655 *	#	US-PATENT-APPL-SN-384547	c 36	N85-29264 *	#	US-PATENT-APPL-SN-398131	c 05	N70-41297 *	#
US-PATENT-APPL-SN-367294	c 76	N75-12810 *	#	US-PATENT-APPL-SN-384773	c 15	N76-14158 *	#	US-PATENT-APPL-SN-398132	c 15	N70-41808 *	#
US-PATENT-APPL-SN-367606	c 75	N75-13625 *	#	US-PATENT-APPL-SN-384811	c 15	N71-10809 *	#	US-PATENT-APPL-SN-398885	c 27	N76-15310 *	#
US-PATENT-APPL-SN-367606	c 75	N76-17951 *	#	US-PATENT-APPL-SN-385013	c 35	N75-19613 *	#	US-PATENT-APPL-SN-398886	c 07	N75-24736 *	#
US-PATENT-APPL-SN-368123	c 09	N71-10618 *	#	US-PATENT-APPL-SN-385059	c 33	N77-21315 *	#	US-PATENT-APPL-SN-398901	c 37	N75-25186 *	#
US-PATENT-APPL-SN-368187	c 54	N84-11758 *	#	US-PATENT-APPL-SN-385220	c 36	N85-30305 *	#	US-PATENT-APPL-SN-399074	c 33	N83-13360 *	#
US-PATENT-APPL-SN-368188	c 33	N84-33663 *	#	US-PATENT-APPL-SN-385520	c 14	N71-23037 *	#	US-PATENT-APPL-SN-399419	c 21	N71-23289 *	#
US-PATENT-APPL-SN-368189	c 18	N84-22605 *	#	US-PATENT-APPL-SN-385522	c 34	N75-33342 *	#	US-PATENT-APPL-SN-400467	c 33	N75-30431 *	#
US-PATENT-APPL-SN-36819	c 23	N72-22673 *	#	US-PATENT-APPL-SN-385526	c 12	N71-16031 *					

US-PATENT-APPL-SN-402865

REPORT NUMBER INDEX

US-PATENT-APPL-SN-402865	c 33	N74-32660	* #	US-PATENT-APPL-SN-419831	c 35	N77-17426	* #	US-PATENT-APPL-SN-436316	c 20	N76-14191	* #
US-PATENT-APPL-SN-402867	c 35	N75-33367	* #	US-PATENT-APPL-SN-420022	c 15	N70-35409	* #	US-PATENT-APPL-SN-436317	c 37	N76-24575	* #
US-PATENT-APPL-SN-402868	c 35	N75-19612	* #	US-PATENT-APPL-SN-420024	c 08	N71-22749	* #	US-PATENT-APPL-SN-437556	c 27	N76-16230	* #
US-PATENT-APPL-SN-402978	c 10	N71-23084	* #	US-PATENT-APPL-SN-420025	c 15	N71-23051	* #	US-PATENT-APPL-SN-437611	c 09	N71-22796	* #
US-PATENT-APPL-SN-403154	c 37	N77-22480	* #	US-PATENT-APPL-SN-420024	c 34	N75-26282	* #	US-PATENT-APPL-SN-437912	c 33	N85-29142	* #
US-PATENT-APPL-SN-403371	c 27	N82-33523	* #	US-PATENT-APPL-SN-420066	c 14	N71-23092	* #	US-PATENT-APPL-SN-437913	c 33	N83-12334	* #
US-PATENT-APPL-SN-403378	c 26	N84-33555	* #	US-PATENT-APPL-SN-420813	c 36	N75-32441	* #	US-PATENT-APPL-SN-437917	c 60	N85-33701	* #
US-PATENT-APPL-SN-403694	c 54	N75-12616	* #	US-PATENT-APPL-SN-42088	c 34	N78-17336	* #	US-PATENT-APPL-SN-438135	c 09	N71-23027	* #
US-PATENT-APPL-SN-403695	c 35	N77-20399	* #	US-PATENT-APPL-SN-421702	c 44	N75-32581	* #	US-PATENT-APPL-SN-438147	c 75	N76-14931	* #
US-PATENT-APPL-SN-403847	c 31	N83-35176	* #	US-PATENT-APPL-SN-421702	c 44	N76-23675	* #	US-PATENT-APPL-SN-438446	c 74	N86-20126	* #
US-PATENT-APPL-SN-403848	c 33	N85-21493	* #	US-PATENT-APPL-SN-422092	c 14	N71-22989	* #	US-PATENT-APPL-SN-438797	c 14	N71-10500	* #
US-PATENT-APPL-SN-403959	c 14	N70-41994	* #	US-PATENT-APPL-SN-422095	c 07	N71-10676	* #	US-PATENT-APPL-SN-43883	c 18	N73-30532	* #
US-PATENT-APPL-SN-403960	c 14	N70-41366	* #	US-PATENT-APPL-SN-422096	c 03	N71-29044	* #	US-PATENT-APPL-SN-43884	c 15	N72-25457	* #
US-PATENT-APPL-SN-404212	c 14	N73-32324	* #	US-PATENT-APPL-SN-422097	c 11	N71-21481	* #	US-PATENT-APPL-SN-439489	c 09	N70-41717	* #
US-PATENT-APPL-SN-404809	c 27	N84-27885	* #	US-PATENT-APPL-SN-422098	c 15	N71-22797	* #	US-PATENT-APPL-SN-439490	c 23	N69-24332	* #
US-PATENT-APPL-SN-404809	c 25	N85-28982	* #	US-PATENT-APPL-SN-422099	c 14	N71-22964	* #	US-PATENT-APPL-SN-440033	c 27	N70-41897	* #
US-PATENT-APPL-SN-405341	c 37	N76-15460	* #	US-PATENT-APPL-SN-422864	c 05	N69-21925	* #	US-PATENT-APPL-SN-440036	c 09	N71-23097	* #
US-PATENT-APPL-SN-405342	c 35	N75-19615	* #	US-PATENT-APPL-SN-422865	c 31	N70-41631	* #	US-PATENT-APPL-SN-440039	c 09	N71-22888	* #
US-PATENT-APPL-SN-405346	c 37	N75-30562	* #	US-PATENT-APPL-SN-422867	c 15	N70-40062	* #	US-PATENT-APPL-SN-440656	c 27	N85-21348	* #
US-PATENT-APPL-SN-405630	c 09	N71-10677	* #	US-PATENT-APPL-SN-422868	c 15	N71-10617	* #	US-PATENT-APPL-SN-440916	c 33	N75-27252	* #
US-PATENT-APPL-SN-405639	c 14	N71-10616	* #	US-PATENT-APPL-SN-422869	c 14	N71-10779	* #	US-PATENT-APPL-SN-440917	c 37	N76-18459	* #
US-PATENT-APPL-SN-405632	c 21	N71-15582	* #	US-PATENT-APPL-SN-423016	c 36	N85-21631	* #	US-PATENT-APPL-SN-441279	c 35	N75-29382	* #
US-PATENT-APPL-SN-406097	c 14	N71-21088	* #	US-PATENT-APPL-SN-423412	c 08	N71-22897	* #	US-PATENT-APPL-SN-441897	c 35	N84-33768	* #
US-PATENT-APPL-SN-406296	c 25	N79-10163	* #	US-PATENT-APPL-SN-424013	c 34	N76-27517	* #	US-PATENT-APPL-SN-441899	c 27	N84-14322	* #
US-PATENT-APPL-SN-406715	c 35	N75-15014	* #	US-PATENT-APPL-SN-424038	c 24	N75-30260	* #	US-PATENT-APPL-SN-441936	c 14	N69-39975	* #
US-PATENT-APPL-SN-406820	c 74	N86-32266	* #	US-PATENT-APPL-SN-424153	c 15	N71-21234	* #	US-PATENT-APPL-SN-442558	c 15	N71-10799	* #
US-PATENT-APPL-SN-407240	c 27	N83-34041	* #	US-PATENT-APPL-SN-424156	c 02	N71-23007	* #	US-PATENT-APPL-SN-442835	c 26	N71-29156	* #
US-PATENT-APPL-SN-407240	c 27	N85-20124	* #	US-PATENT-APPL-SN-424157	c 28	N70-41275	* #	US-PATENT-APPL-SN-444087	c 02	N71-11041	* #
US-PATENT-APPL-SN-407233	c 32	N75-21485	* #	US-PATENT-APPL-SN-425096	c 05	N71-23080	* #	US-PATENT-APPL-SN-444124	c 52	N84-23095	* #
US-PATENT-APPL-SN-407595	c 28	N70-41992	* #	US-PATENT-APPL-SN-425201	c 04	N86-19304	* #	US-PATENT-APPL-SN-444125	c 20	N83-17588	* #
US-PATENT-APPL-SN-407599	c 14	N71-21091	* #	US-PATENT-APPL-SN-425202	c 74	N85-34629	* #	US-PATENT-APPL-SN-444149	c 47	N84-28292	* #
US-PATENT-APPL-SN-407603	c 05	N71-11199	* #	US-PATENT-APPL-SN-425203	c 35	N84-22930	* #	US-PATENT-APPL-SN-444150	c 35	N84-22933	* #
US-PATENT-APPL-SN-408435	c 15	N71-28937	* #	US-PATENT-APPL-SN-425204	c 32	N85-29117	* #	US-PATENT-APPL-SN-445178	c 37	N76-15461	* #
US-PATENT-APPL-SN-408438	c 07	N71-22750	* #	US-PATENT-APPL-SN-425205	c 35	N85-21595	* #	US-PATENT-APPL-SN-445292	c 11	N71-23030	* #
US-PATENT-APPL-SN-408442	c 10	N71-23662	* #	US-PATENT-APPL-SN-425362	c 15	N71-10658	* #	US-PATENT-APPL-SN-445398	c 74	N78-15880	* #
US-PATENT-APPL-SN-408575	c 35	N83-32026	* #	US-PATENT-APPL-SN-425363	c 09	N71-20658	* #	US-PATENT-APPL-SN-445807	c 14	N71-22996	* #
US-PATENT-APPL-SN-409126	c 18	N71-21068	* #	US-PATENT-APPL-SN-425364	c 33	N71-15623	* #	US-PATENT-APPL-SN-446071	c 25	N82-29370	* #
US-PATENT-APPL-SN-409678	c 09	N84-27749	* #	US-PATENT-APPL-SN-425365	c 32	N71-21045	* #	US-PATENT-APPL-SN-446131	c 14	N71-22992	* #
US-PATENT-APPL-SN-409679	c 33	N84-22884	* #	US-PATENT-APPL-SN-425972	c 03	N71-23006	* #	US-PATENT-APPL-SN-446560	c 12	N76-15189	* #
US-PATENT-APPL-SN-409679	c 33	N84-22884	* #	US-PATENT-APPL-SN-426155	c 33	N75-15874	* #	US-PATENT-APPL-SN-446562	c 36	N76-14447	* #
US-PATENT-APPL-SN-409680	c 35	N85-20294	* #	US-PATENT-APPL-SN-426405	c 25	N75-26043	* #	US-PATENT-APPL-SN-446564	c 35	N75-26334	* #
US-PATENT-APPL-SN-409990	c 35	N75-27330	* #	US-PATENT-APPL-SN-426455	c 28	N71-15661	* #	US-PATENT-APPL-SN-446567	c 34	N76-27515	* #
US-PATENT-APPL-SN-409991	c 33	N75-13139	* #	US-PATENT-APPL-SN-426702	c 15	N70-42704	* #	US-PATENT-APPL-SN-446568	c 37	N76-23570	* #
US-PATENT-APPL-SN-410325	c 18	N71-23088	* #	US-PATENT-APPL-SN-427395	c 54	N75-27760	* #	US-PATENT-APPL-SN-446569	c 77	N75-20140	* #
US-PATENT-APPL-SN-410326	c 09	N71-21449	* #	US-PATENT-APPL-SN-427775	c 27	N76-22376	* #	US-PATENT-APPL-SN-447124	c 35	N75-30503	* #
US-PATENT-APPL-SN-410330	c 26	N71-23043	* #	US-PATENT-APPL-SN-427790	c 06	N71-23527	* #	US-PATENT-APPL-SN-447371	c 27	N84-22746	* #
US-PATENT-APPL-SN-410331	c 02	N70-41589	* #	US-PATENT-APPL-SN-428444	c 44	N76-18642	* #	US-PATENT-APPL-SN-447927	c 11	N71-10776	* #
US-PATENT-APPL-SN-410332	c 14	N71-23039	* #	US-PATENT-APPL-SN-428444	c 44	N76-29704	* #	US-PATENT-APPL-SN-447928	c 15	N71-10577	* #
US-PATENT-APPL-SN-411572	c 35	N75-15932	* #	US-PATENT-APPL-SN-428882	c 31	N70-41948	* #	US-PATENT-APPL-SN-447930	c 14	N69-39896	* #
US-PATENT-APPL-SN-411944	c 15	N70-41629	* #	US-PATENT-APPL-SN-428887	c 33	N71-29051	* #	US-PATENT-APPL-SN-447933	c 03	N69-21337	* #
US-PATENT-APPL-SN-411945	c 18	N71-23047	* #	US-PATENT-APPL-SN-428890	c 02	N70-41630	* #	US-PATENT-APPL-SN-448320	c 91	N76-30131	* #
US-PATENT-APPL-SN-411949	c 27	N71-15635	* #	US-PATENT-APPL-SN-428992	c 34	N77-18382	* #	US-PATENT-APPL-SN-448321	c 27	N78-32261	* #
US-PATENT-APPL-SN-412039	c 06	N84-34443	* #	US-PATENT-APPL-SN-428993	c 45	N75-27585	* #	US-PATENT-APPL-SN-448323	c 18	N76-17185	* #
US-PATENT-APPL-SN-412079	c 37	N75-13266	* #	US-PATENT-APPL-SN-428994	c 32	N75-21486	* #	US-PATENT-APPL-SN-448325	c 33	N75-26244	* #
US-PATENT-APPL-SN-412080	c 36	N75-19653	* #	US-PATENT-APPL-SN-428994	c 32	N76-16249	* #	US-PATENT-APPL-SN-448365	c 10	N71-26414	* #
US-PATENT-APPL-SN-412379	c 32	N77-10392	* #	US-PATENT-APPL-SN-428995	c 51	N75-25503	* #	US-PATENT-APPL-SN-448881	c 32	N85-29118	* #
US-PATENT-APPL-SN-413101	c 07	N86-20389	* #	US-PATENT-APPL-SN-429437	c 35	N75-23910	* #	US-PATENT-APPL-SN-448898	c 15	N70-41310	* #
US-PATENT-APPL-SN-41345	c 09	N72-29172	* #	US-PATENT-APPL-SN-429932	c 05	N71-20268	* #	US-PATENT-APPL-SN-449118	c 33	N75-19524	* #
US-PATENT-APPL-SN-41346	c 15	N72-24522	* #	US-PATENT-APPL-SN-4300192	c 18	N71-27170	* #	US-PATENT-APPL-SN-449153	c 54	N75-27761	* #
US-PATENT-APPL-SN-41347	c 09	N72-25256	* #	US-PATENT-APPL-SN-430226	c 18	N71-23658	* #	US-PATENT-APPL-SN-449901	c 28	N70-41967	* #
US-PATENT-APPL-SN-41348	c 09	N72-23173	* #	US-PATENT-APPL-SN-430496	c 26	N75-29236	* #	US-PATENT-APPL-SN-449902	c 14	N70-41681	* #
US-PATENT-APPL-SN-413661	c 15	N71-23024	* #	US-PATENT-APPL-SN-430748	c 76	N79-21910	* #	US-PATENT-APPL-SN-450166	c 33	N84-27975	* #
US-PATENT-APPL-SN-413662	c 09	N70-41929	* #	US-PATENT-APPL-SN-430776	c 03	N70-41954	* #	US-PATENT-APPL-SN-450319	c 33	N84-33661	* #
US-PATENT-APPL-SN-414042	c 35	N79-17192	* #	US-PATENT-APPL-SN-430777	c 18	N71-24184	* #	US-PATENT-APPL-SN-450500	c 37	N76-18455	* #
US-PATENT-APPL-SN-414043	c 27	N76-32315	* #	US-PATENT-APPL-SN-430778	c 03	N71-10728	* #	US-PATENT-APPL-SN-450502	c 37	N76-18456	* #
US-PATENT-APPL-SN-41404	c 03	N73-20039	* #	US-PATENT-APPL-SN-430780	c 03	N71-12260	* #	US-PATENT-APPL-SN-450504	c 23	N77-17161	* #
US-PATENT-APPL-SN-414106	c 54	N84-16803	* #	US-PATENT-APPL-SN-431235	c 15	N71-16052	* #	US-PATENT-APPL-SN-450505	c 37	N75-31446	* #
US-PATENT-APPL-SN-414107	c 35	N84-22932	* #	US-PATENT-APPL-SN-431420	c 37	N85-29282	* #	US-PATENT-APPL-SN-45053	c 33	N75-31330	* #
US-PATENT-APPL-SN-414237	c 35	N85-30282	* #	US-PATENT-APPL-SN-431448	c 37	N84-22957	* #	US-PATENT-APPL-SN-451596	c 17	N71-29137	* #
US-PATENT-APPL-SN-41430	c 10	N72-20221	* #	US-PATENT-APPL-SN-431886	c 18	N84-27787	* #	US-PATENT-APPL-SN-451896	c 26	N86-32551	* #
US-PATENT-APPL-SN-41431	c 37	N77-27400	* #	US-PATENT-APPL-SN-432025	c 15	N71-21531	* #	US-PATENT-APPL-SN-452464	c 24	N84-11213	* #
US-PATENT-APPL-SN-414482	c 10	N71-10578	* #	US-PATENT-APPL-SN-432026	c 07	N71-23405	* #	US-PATENT-APPL-SN-452465	c 25	N83-17628	* #
US-PATENT-APPL-SN-41455	c 02	N70-33255	* #	US-PATENT-APPL-SN-432027	c 21	N70-41930	* #	US-PATENT-APPL-SN-452466	c 03	N84-33394	* #
US-PATENT-APPL-SN-415486	c 37	N75-19683	* #	US-PATENT-APPL-SN-432028	c 15	N71-22723	* #	US-PATENT-APPL-SN-452761	c 33	N75-19522	* #
US-PATENT-APPL-SN-415878	c 08	N86-27288	* #	US-PATENT-APPL-SN-432030	c 12	N71-20896	* #	US-PATENT-APPL-SN-452767	c 05	N75-25915	* #
US-PATENT-APPL-SN-415879	c 37	N85-21652	* #	US-PATENT-APPL-SN-432032	c 15	N69-24422	* #	US-PATENT-APPL-SN-452768	c 52	N76-30793	* #
US-PATENT-APPL-SN-415880	c 27	N84-27884	* #	US-PATENT-APPL-SN-432057	c 33	N84-14323	* #	US-PATENT-APPL-SN-452769	c 44	N76-16612	* #
US-PATENT-APPL-SN-415960	c 37	N85-20337	* #	US-PATENT-APPL-SN-432433	c 15	N71-22705	* #	US-PATENT-APPL-SN-452770	c 33	N75-31332	* #
US-PATENT-APPL-SN-416135	c 32	N75-15854	* #	US-PATENT-APPL-SN-433196	c 44	N84-23019	* #	US-PATENT-APPL-SN-452944	c 18	N71-24183	* #
US-PATENT-APPL-SN-416938	c 11	N71-10746	* #	US-PATENT-APPL-SN-43327	c 15	N72-26371	* #	US-PATENT-APPL-SN-452945	c 18	N69-39979	* #
US-PATENT-APPL-SN-416940	c 21	N71-21708	* #	US-PATENT-APPL-SN-433598	c 27	N84-22747	* #	US-PATENT-APPL-SN-453115	c 32	N76-14321	* #
US-PATENT-APPL-SN-416941	c 31	N70-34159	* #	US-PATENT-APPL-SN-433821	c 09	N71-16089	* #	US-PATENT-APPL-SN-453225</			

US-PATENT-APPL-SN-456581	c 09	N71-23021 *	US-PATENT-APPL-SN-474531	c 31	N71-23009 *	US-PATENT-APPL-SN-493359	c 20	N76-21275 *	#
US-PATENT-APPL-SN-456874	c 06	N71-23499 *	US-PATENT-APPL-SN-474744	c 35	N76-14431 *	US-PATENT-APPL-SN-493363	c 33	N76-21390 *	#
US-PATENT-APPL-SN-456915	c 02	N83-19715 *	US-PATENT-APPL-SN-474745	c 37	N76-14463 *	US-PATENT-APPL-SN-493864	c 23	N83-28076 *	#
US-PATENT-APPL-SN-457295	c 20	N75-24837 *	US-PATENT-APPL-SN-474815	c 33	N79-21264 *	US-PATENT-APPL-SN-493865	c 24	N86-19380 *	#
US-PATENT-APPL-SN-457874	c 09	N71-23545 *	US-PATENT-APPL-SN-475299	c 31	N71-17679 *	US-PATENT-APPL-SN-493866	c 71	N84-28568 *	#
US-PATENT-APPL-SN-457875	c 31	N70-42015 *	US-PATENT-APPL-SN-475336	c 54	N75-27758 *	US-PATENT-APPL-SN-493942	c 14	N71-17659 *	#
US-PATENT-APPL-SN-457876	c 02	N71-12243 *	US-PATENT-APPL-SN-475337	c 51	N76-29891 *	US-PATENT-APPL-SN-493943	c 15	N71-21529 *	#
US-PATENT-APPL-SN-457879	c 15	N71-21078 *	US-PATENT-APPL-SN-475338	c 35	N76-15431 *	US-PATENT-APPL-SN-494280	c 28	N71-23081 *	#
US-PATENT-APPL-SN-457990	c 85	N85-34722 *	US-PATENT-APPL-SN-476244	c 33	N84-22885 *	US-PATENT-APPL-SN-494282	c 15	N69-39735 *	#
US-PATENT-APPL-SN-457992	c 35	N85-29212 *	US-PATENT-APPL-SN-476759	c 03	N70-14273 *	US-PATENT-APPL-SN-494283	c 31	N71-24035 *	#
US-PATENT-APPL-SN-458484	c 44	N76-14595 *	US-PATENT-APPL-SN-476761	c 11	N71-10748 *	US-PATENT-APPL-SN-494287	c 03	N71-22974 *	#
US-PATENT-APPL-SN-459138	c 14	N71-10773 *	US-PATENT-APPL-SN-476763	c 09	N69-21313 *	US-PATENT-APPL-SN-494739	c 07	N71-26291 *	#
US-PATENT-APPL-SN-459407	c 14	N73-30391 *	US-PATENT-APPL-SN-477333	c 28	N70-41922 *	US-PATENT-APPL-SN-495021	c 44	N78-13526 *	#
US-PATENT-APPL-SN-459736	c 33	N75-26245 *	US-PATENT-APPL-SN-478129	c 25	N86-27431 *	US-PATENT-APPL-SN-495022	c 60	N77-12721 *	#
US-PATENT-APPL-SN-459842	c 35	N85-30281 *	US-PATENT-APPL-SN-478130	c 74	N85-23396 *	US-PATENT-APPL-SN-495380	c 37	N85-29285 *	#
US-PATENT-APPL-SN-460509	c 37	N84-33807 *	US-PATENT-APPL-SN-478131	c 26	N87-14482 *	US-PATENT-APPL-SN-495381	c 24	N84-22695 *	#
US-PATENT-APPL-SN-460511	c 33	N83-21238 *	US-PATENT-APPL-SN-478491	c 14	N69-21363 *	US-PATENT-APPL-SN-496205	c 14	N71-22965 *	#
US-PATENT-APPL-SN-460733	c 37	N83-20154 *	US-PATENT-APPL-SN-478800	c 37	N76-19436 *	US-PATENT-APPL-SN-496779	c 05	N76-29217 *	#
US-PATENT-APPL-SN-460876	c 09	N69-21470 *	US-PATENT-APPL-SN-478803	c 35	N75-29381 *	US-PATENT-APPL-SN-498167	c 03	N71-10608 *	#
US-PATENT-APPL-SN-460877	c 33	N71-23085 *	US-PATENT-APPL-SN-479353	c 15	N71-23256 *	US-PATENT-APPL-SN-498168	c 28	N71-21822 *	#
US-PATENT-APPL-SN-461073	c 33	N75-26246 *	US-PATENT-APPL-SN-479357	c 36	N77-19416 *	US-PATENT-APPL-SN-499122	c 15	N71-24164 *	#
US-PATENT-APPL-SN-461477	c 37	N75-19686 *	US-PATENT-APPL-SN-480210	c 11	N71-21474 *	US-PATENT-APPL-SN-499126	c 23	N86-19376 *	#
US-PATENT-APPL-SN-461714	c 37	N83-20152 *	US-PATENT-APPL-SN-480211	c 14	N71-26135 *	US-PATENT-APPL-SN-500044	c 35	N85-21597 *	#
US-PATENT-APPL-SN-461724	c 31	N85-21404 *	US-PATENT-APPL-SN-481020	c 36	N83-29681 *	US-PATENT-APPL-SN-500046	c 31	N87-16918 *	#
US-PATENT-APPL-SN-461765	c 17	N71-23046 *	US-PATENT-APPL-SN-481086	c 33	N84-33660 *	US-PATENT-APPL-SN-500435	c 14	N71-21082 *	#
US-PATENT-APPL-SN-461788	c 27	N85-21349 *	US-PATENT-APPL-SN-481106	c 09	N84-34448 *	US-PATENT-APPL-SN-500446	c 10	N71-23029 *	#
US-PATENT-APPL-SN-462341	c 44	N76-31666 *	US-PATENT-APPL-SN-482104	c 27	N76-22377 *	US-PATENT-APPL-SN-500651	c 07	N85-35195 *	#
US-PATENT-APPL-SN-462424	c 24	N77-19171 *	US-PATENT-APPL-SN-482105	c 27	N76-23426 *	US-PATENT-APPL-SN-500979	c 32	N76-18295 *	#
US-PATENT-APPL-SN-462497	c 25	N85-21279 *	US-PATENT-APPL-SN-482307	c 15	N71-21060 *	US-PATENT-APPL-SN-500980	c 72	N76-15860 *	#
US-PATENT-APPL-SN-462508	c 35	N86-19580 *	US-PATENT-APPL-SN-482311	c 05	N71-22748 *	US-PATENT-APPL-SN-500981	c 35	N77-10492 *	#
US-PATENT-APPL-SN-462705	c 37	N75-19684 *	US-PATENT-APPL-SN-482313	c 11	N69-24321 *	US-PATENT-APPL-SN-500982	c 75	N76-17951 *	#
US-PATENT-APPL-SN-462762	c 12	N69-21466 *	US-PATENT-APPL-SN-482670	c 14	N71-21007 *	US-PATENT-APPL-SN-501011	c 33	N76-18345 *	#
US-PATENT-APPL-SN-462763	c 14	N71-22991 *	US-PATENT-APPL-SN-482952	c 09	N71-28926 *	US-PATENT-APPL-SN-501012	c 33	N76-14373 *	#
US-PATENT-APPL-SN-462844	c 33	N75-19520 *	US-PATENT-APPL-SN-482953	c 74	N76-18913 *	US-PATENT-APPL-SN-501060	c 60	N84-28491 *	#
US-PATENT-APPL-SN-462903	c 37	N76-14461 *	US-PATENT-APPL-SN-482967	c 34	N76-18364 *	US-PATENT-APPL-SN-50206	c 07	N72-17109 *	#
US-PATENT-APPL-SN-463456	c 37	N85-30333 *	US-PATENT-APPL-SN-483301	c 36	N77-26477 *	US-PATENT-APPL-SN-50207	c 07	N72-20141 *	#
US-PATENT-APPL-SN-463925	c 74	N76-30053 *	US-PATENT-APPL-SN-483817	c 27	N79-21190 *	US-PATENT-APPL-SN-50208	c 14	N73-13418 *	#
US-PATENT-APPL-SN-464720	c 32	N76-16249 *	US-PATENT-APPL-SN-483850	c 37	N76-14460 *	US-PATENT-APPL-SN-502124	c 35	N76-16393 *	#
US-PATENT-APPL-SN-464721	c 37	N75-26372 *	US-PATENT-APPL-SN-483851	c 35	N76-15435 *	US-PATENT-APPL-SN-502135	c 35	N76-15433 *	#
US-PATENT-APPL-SN-464722	c 35	N76-22509 *	US-PATENT-APPL-SN-483852	c 33	N75-30430 *	US-PATENT-APPL-SN-502136	c 35	N75-27331 *	#
US-PATENT-APPL-SN-464723	c 33	N75-30429 *	US-PATENT-APPL-SN-483857	c 44	N76-14601 *	US-PATENT-APPL-SN-502137	c 37	N76-21554 *	#
US-PATENT-APPL-SN-464878	c 10	N71-22986 *	US-PATENT-APPL-SN-483858	c 35	N76-18400 *	US-PATENT-APPL-SN-502138	c 43	N77-10584 *	#
US-PATENT-APPL-SN-464879	c 14	N71-21072 *	US-PATENT-APPL-SN-483885	c 04	N71-23185 *	US-PATENT-APPL-SN-502693	c 15	N71-20739 *	#
US-PATENT-APPL-SN-464880	c 33	N71-21586 *	US-PATENT-APPL-SN-483886	c 09	N71-22988 *	US-PATENT-APPL-SN-502701	c 08	N71-23295 *	#
US-PATENT-APPL-SN-464885	c 15	N71-22997 *	US-PATENT-APPL-SN-483891	c 14	N69-39882 *	US-PATENT-APPL-SN-502709	c 31	N71-21881 *	#
US-PATENT-APPL-SN-465363	c 52	N84-28389 *	US-PATENT-APPL-SN-484156	c 11	N71-21475 *	US-PATENT-APPL-SN-502710	c 15	N71-23048 *	#
US-PATENT-APPL-SN-465364	c 44	N85-20530 *	US-PATENT-APPL-SN-484208	c 35	N75-30502 *	US-PATENT-APPL-SN-502729	c 31	N70-41871 *	#
US-PATENT-APPL-SN-465365	c 43	N86-19711 *	US-PATENT-APPL-SN-484209	c 35	N76-18403 *	US-PATENT-APPL-SN-502739	c 09	N71-23311 *	#
US-PATENT-APPL-SN-465366	c 27	N85-20126 *	US-PATENT-APPL-SN-484485	c 01	N71-23497 *	US-PATENT-APPL-SN-502740	c 14	N69-27485 *	#
US-PATENT-APPL-SN-465367	c 27	N84-22748 *	US-PATENT-APPL-SN-484489	c 10	N71-15909 *	US-PATENT-APPL-SN-502743	c 08	N71-19435 *	#
US-PATENT-APPL-SN-465369	c 76	N86-28760 *	US-PATENT-APPL-SN-484490	c 24	N71-20518 *	US-PATENT-APPL-SN-502746	c 03	N69-39898 *	#
US-PATENT-APPL-SN-465370	c 52	N83-29991 *	US-PATENT-APPL-SN-484745	c 35	N85-20295 *	US-PATENT-APPL-SN-502750	c 09	N71-19466 *	#
US-PATENT-APPL-SN-466390	c 28	N71-20330 *	US-PATENT-APPL-SN-484855	c 09	N71-19480 *	US-PATENT-APPL-SN-502753	c 07	N69-39978 *	#
US-PATENT-APPL-SN-466868	c 22	N71-23599 *	US-PATENT-APPL-SN-485058	c 06	N71-23500 *	US-PATENT-APPL-SN-502756	c 03	N71-23336 *	#
US-PATENT-APPL-SN-466873	c 17	N71-20743 *	US-PATENT-APPL-SN-485656	c 28	N71-10574 *	US-PATENT-APPL-SN-502820	c 27	N85-21347 *	#
US-PATENT-APPL-SN-466875	c 08	N71-22707 *	US-PATENT-APPL-SN-485957	c 25	N71-21694 *	US-PATENT-APPL-SN-503039	c 04	N72-33072 *	#
US-PATENT-APPL-SN-467820	c 28	N71-26779 *	US-PATENT-APPL-SN-485958	c 15	N71-24047 *	US-PATENT-APPL-SN-504225	c 35	N76-16392 *	#
US-PATENT-APPL-SN-468614	c 60	N77-14751 *	US-PATENT-APPL-SN-485960	c 15	N70-42017 *	US-PATENT-APPL-SN-504266	c 31	N71-21064 *	#
US-PATENT-APPL-SN-468616	c 60	N77-32731 *	US-PATENT-APPL-SN-48621	c 20	N78-32179 *	US-PATENT-APPL-SN-504345	c 33	N85-22877 *	#
US-PATENT-APPL-SN-468618	c 60	N78-10709 *	US-PATENT-APPL-SN-486470	c 44	N85-21768 *	US-PATENT-APPL-SN-505320	c 16	N71-18614 *	#
US-PATENT-APPL-SN-468647	c 21	N71-10771 *	US-PATENT-APPL-SN-486471	c 33	N85-21492 *	US-PATENT-APPL-SN-505321	c 10	N71-22962 *	#
US-PATENT-APPL-SN-468655	c 15	N69-21471 *	US-PATENT-APPL-SN-486573	c 10	N71-19469 *	US-PATENT-APPL-SN-505765	c 15	N71-23816 *	#
US-PATENT-APPL-SN-469011	c 11	N69-21540 *	US-PATENT-APPL-SN-486884	c 15	N73-32362 *	US-PATENT-APPL-SN-505819	c 33	N76-16331 *	#
US-PATENT-APPL-SN-469012	c 25	N71-20747 *	US-PATENT-APPL-SN-487156	c 44	N77-10636 *	US-PATENT-APPL-SN-505881	c 09	N76-24280 *	#
US-PATENT-APPL-SN-469013	c 14	N69-27423 *	US-PATENT-APPL-SN-487341	c 14	N71-19431 *	US-PATENT-APPL-SN-506135	c 06	N71-20905 *	#
US-PATENT-APPL-SN-469371	c 05	N86-19310 *	US-PATENT-APPL-SN-487342	c 09	N71-21583 *	US-PATENT-APPL-SN-506137	c 15	N71-23049 *	#
US-PATENT-APPL-SN-469864	c 37	N86-19605 *	US-PATENT-APPL-SN-487343	c 03	N69-39890 *	US-PATENT-APPL-SN-506477	c 33	N85-29146 *	#
US-PATENT-APPL-SN-469866	c 27	N84-22749 *	US-PATENT-APPL-SN-487344	c 15	N69-21472 *	US-PATENT-APPL-SN-506803	c 24	N79-25143 *	#
US-PATENT-APPL-SN-470113	c 17	N87-16863 *	US-PATENT-APPL-SN-487352	c 14	N71-18699 *	US-PATENT-APPL-SN-506804	c 35	N76-18402 *	#
US-PATENT-APPL-SN-470114	c 25	N83-24572 *	US-PATENT-APPL-SN-487852	c 23	N76-15268 *	US-PATENT-APPL-SN-506908	c 09	N71-18843 *	#
US-PATENT-APPL-SN-470428	c 33	N76-16332 *	US-PATENT-APPL-SN-487929	c 33	N74-20859 *	US-PATENT-APPL-SN-507254	c 14	N71-22990 *	#
US-PATENT-APPL-SN-470429	c 33	N75-31329 *	US-PATENT-APPL-SN-487934	c 15	N71-21530 *	US-PATENT-APPL-SN-507257	c 09	N71-19449 *	#
US-PATENT-APPL-SN-47061	c 26	N72-25680 *	US-PATENT-APPL-SN-487939	c 14	N71-23040 *	US-PATENT-APPL-SN-507623	c 31	N85-29083 *	#
US-PATENT-APPL-SN-47062	c 15	N72-17451 *	US-PATENT-APPL-SN-487940	c 10	N71-26434 *	US-PATENT-APPL-SN-507624	c 76	N85-30922 *	#
US-PATENT-APPL-SN-47063	c 33	N72-25911 *	US-PATENT-APPL-SN-488381	c 14	N73-32321 *	US-PATENT-APPL-SN-507625	c 76	N86-20150 *	#
US-PATENT-APPL-SN-47063	c 33	N73-25952 *	US-PATENT-APPL-SN-488616	c 07	N76-18117 *	US-PATENT-APPL-SN-507626	c 34	N85-29179 *	#
US-PATENT-APPL-SN-470902	c 06	N71-28808 *	US-PATENT-APPL-SN-488745	c 26	N75-27127 *	US-PATENT-APPL-SN-508169	c 18	N71-27397 *	#
US-PATENT-APPL-SN-471154	c 09	N73-28084 *	US-PATENT-APPL-SN-489008	c 23	N75-30256 *	US-PATENT-APPL-SN-508170	c 08	N71-22710 *	#
US-PATENT-APPL-SN-47120	c 31	N70-33242 *	US-PATENT-APPL-SN-489009	c 33	N76-19339 *	US-PATENT-APPL-SN-508371	c 05	N85-21147 *	#
US-PATENT-APPL-SN-47121	c 09	N70-39915 *	US-PATENT-APPL-SN-489442	c 25	N69-39884 *	US-PATENT-APPL-SN-508372	c 43	N83-29783 *	#
US-PATENT-APPL-SN-47122	c 14	N70-34813 *	US-PATENT-APPL-SN-489675	c 05	N85-29947 *	US-PATENT-APPL-SN-508601	c 15	N71-22878 *	#
US-PATENT-APPL-SN-47123	c 15	N70-34817 *	US-PATENT-APPL-SN-491054	c 14	N71-23174 *	US-PATENT-APPL-SN-508784	c 76	N76-25049 *	#
US-PATENT-APPL-SN-472066	c 31	N70-42075 *	US-PATENT-APPL-SN-491058	c 09	N71-23443 *	US-PATENT-APPL-SN-508873	c 14	N71-23240 *	#
US-PATENT-APPL-SN-472372	c 07	N71-20791 *	US-PATENT-APPL-SN-491059	c 09	N71-23015 *	US-PATENT-APPL-SN-509460	c 01	N71-13411 *	#
US-PATENT-APPL-SN-472643	c 33	N79-21265 *	US-PATENT-APPL-SN-491113	c 35	N86-19581 *	US-PATENT-APPL-SN-510136	c 18	N84-33450 *	#
US-PATENT-APPL-SN-472747	c 31	N71-16081 *	US-PATENT-APPL-SN-491125	c 27	N84-22750 *	US-PATENT-APPL-SN-510137	c 37	N85-34401 *	#
US-PATENT-APPL-SN-472775	c 35	N75-33369 *	US-PATENT-APPL-SN-491416	c 35	N75-33368 *	US-PATENT-APPL-SN-510150	c 10	N71-26103 *	#
US-PATENT-APPL-SN-473498	c 20	N85-21256 *	US-PATENT-APPL-SN-491417	c 37	N76-19437 *	US-PATENT-APPL-SN-510155	c 06	N71-11235 *	#
US-PATENT-APPL-SN-473499	c 74	N86-21348 *	US-PATENT-APPL-SN-491418	c 31	N76-31365 *	US-PATENT-APPL-SN-510474	c 15	N71-23810 *	#
US-PATENT-APPL-SN-473535	c 31	N71-15637 *	US-PATENT-APPL-SN-491419	c 32	N76-15330 *	US-PATENT-APPL-S			

US-PATENT-APPL-SN-5114	c 06	N72-25150 *	#	US-PATENT-APPL-SN-526449	c 54	N76-14804 *	#	US-PATENT-APPL-SN-54270	c 07	N72-25173 *	#
US-PATENT-APPL-SN-511564	c 09	N69-39885 *	#	US-PATENT-APPL-SN-526450	c 35	N77-14409 *	#	US-PATENT-APPL-SN-542713	c 23	N71-23976 *	#
US-PATENT-APPL-SN-511567	c 05	N71-12336 *	#	US-PATENT-APPL-SN-526631	c 10	N71-19471 *	#	US-PATENT-APPL-SN-54271	c 02	N73-19004 *	#
US-PATENT-APPL-SN-511887	c 35	N76-15436 *	#	US-PATENT-APPL-SN-526664	c 07	N69-24334 *	#	US-PATENT-APPL-SN-542754	c 34	N76-18374 *	#
US-PATENT-APPL-SN-511894	c 03	N76-32140 *	#	US-PATENT-APPL-SN-526665	c 14	N69-24331 *	#	US-PATENT-APPL-SN-543206	c 05	N71-23159 *	#
US-PATENT-APPL-SN-512352	c 15	N70-33330 *	#	US-PATENT-APPL-SN-526739	c 37	N83-36484 *	#	US-PATENT-APPL-SN-543774	c 06	N69-39733 *	#
US-PATENT-APPL-SN-512509	c 26	N75-27125 *	#	US-PATENT-APPL-SN-526741	c 09	N84-12193 *	#	US-PATENT-APPL-SN-544611	c 33	N76-15373 *	#
US-PATENT-APPL-SN-512559	c 23	N71-22881 *	#	US-PATENT-APPL-SN-526750	c 71	N85-22105 *	#	US-PATENT-APPL-SN-544895	c 07	N71-28809 *	#
US-PATENT-APPL-SN-512561	c 16	N71-25914 *	#	US-PATENT-APPL-SN-526768	c 25	N85-35253 *	#	US-PATENT-APPL-SN-544899	c 09	N71-20569 *	#
US-PATENT-APPL-SN-512562	c 16	N71-24074 *	#	US-PATENT-APPL-SN-526770	c 35	N85-21598 *	#	US-PATENT-APPL-SN-545223	c 03	N71-11056 *	#
US-PATENT-APPL-SN-512795	c 27	N84-22745 *	#	US-PATENT-APPL-SN-527331	c 17	N73-28573 *	#	US-PATENT-APPL-SN-545224	c 15	N69-21362 *	#
US-PATENT-APPL-SN-512825	c 32	N76-15329 *	#	US-PATENT-APPL-SN-527613	c 37	N86-19604 *	#	US-PATENT-APPL-SN-545228	c 07	N69-39736 *	#
US-PATENT-APPL-SN-51317	c 14	N73-30389 *	#	US-PATENT-APPL-SN-527727	c 02	N76-16014 *	#	US-PATENT-APPL-SN-545229	c 03	N69-21469 *	#
US-PATENT-APPL-SN-513346	c 07	N79-14095 *	#	US-PATENT-APPL-SN-527728	c 37	N76-18458 *	#	US-PATENT-APPL-SN-545282	c 35	N76-24524 *	#
US-PATENT-APPL-SN-513389	c 25	N75-12087 *	#	US-PATENT-APPL-SN-527790	c 33	N76-14372 *	#	US-PATENT-APPL-SN-545283	c 32	N77-12239 *	#
US-PATENT-APPL-SN-513576	c 35	N76-29552 *	#	US-PATENT-APPL-SN-527914	c 27	N86-21675 *	#	US-PATENT-APPL-SN-545284	c 34	N76-27517 *	#
US-PATENT-APPL-SN-513611	c 24	N76-22309 *	#	US-PATENT-APPL-SN-527918	c 09	N85-21178 *	#	US-PATENT-APPL-SN-54540	c 15	N72-29488 *	#
US-PATENT-APPL-SN-513611	c 24	N80-33482 *	#	US-PATENT-APPL-SN-528031	c 10	N69-39888 *	#	US-PATENT-APPL-SN-54540	c 37	N74-15125 *	#
US-PATENT-APPL-SN-513612	c 05	N77-17029 *	#	US-PATENT-APPL-SN-529593	c 27	N71-21819 *	#	US-PATENT-APPL-SN-54552	c 23	N70-34783 *	#
US-PATENT-APPL-SN-513613	c 27	N78-15276 *	#	US-PATENT-APPL-SN-529594	c 15	N69-27483 *	#	US-PATENT-APPL-SN-54552	c 20	N77-17143 *	#
US-PATENT-APPL-SN-513690	c 37	N76-20480 *	#	US-PATENT-APPL-SN-529594	c 33	N71-29152 *	#	US-PATENT-APPL-SN-545535	c 03	N69-21539 *	#
US-PATENT-APPL-SN-514117	c 27	N86-19455 *	#	US-PATENT-APPL-SN-529609	c 09	N69-39986 *	#	US-PATENT-APPL-SN-545793	c 20	N80-14188 *	#
US-PATENT-APPL-SN-514407	c 18	N71-22894 *	#	US-PATENT-APPL-SN-529803	c 33	N86-20668 *	#	US-PATENT-APPL-SN-545805	c 15	N71-21744 *	#
US-PATENT-APPL-SN-514546	c 74	N76-20958 *	#	US-PATENT-APPL-SN-529884	c 54	N78-18761 *	#	US-PATENT-APPL-SN-545812	c 09	N69-24329 *	#
US-PATENT-APPL-SN-51473	c 02	N70-33266 *	#	US-PATENT-APPL-SN-530185	c 32	N86-20647 *	#	US-PATENT-APPL-SN-546148	c 11	N71-22875 *	#
US-PATENT-APPL-SN-51477	c 14	N72-25412 *	#	US-PATENT-APPL-SN-530339	c 31	N86-19479 *	#	US-PATENT-APPL-SN-546149	c 16	N71-24170 *	#
US-PATENT-APPL-SN-515484	c 14	N71-22993 *	#	US-PATENT-APPL-SN-530958	c 09	N71-22985 *	#	US-PATENT-APPL-SN-547072	c 15	N71-24043 *	#
US-PATENT-APPL-SN-516087	c 27	N85-20125 *	#	US-PATENT-APPL-SN-531565	c 36	N76-24553 *	#	US-PATENT-APPL-SN-547072	c 35	N78-32397 *	#
US-PATENT-APPL-SN-516150	c 05	N71-19440 *	#	US-PATENT-APPL-SN-531566	c 10	N71-28860 *	#	US-PATENT-APPL-SN-547175	c 76	N84-12968 *	#
US-PATENT-APPL-SN-516151	c 15	N70-41679 *	#	US-PATENT-APPL-SN-531572	c 66	N76-19888 *	#	US-PATENT-APPL-SN-547176	c 37	N85-29286 *	#
US-PATENT-APPL-SN-516152	c 14	N71-23225 *	#	US-PATENT-APPL-SN-531575	c 32	N76-31372 *	#	US-PATENT-APPL-SN-547643	c 33	N79-33392 *	#
US-PATENT-APPL-SN-516153	c 10	N71-28783 *	#	US-PATENT-APPL-SN-531642	c 25	N71-21693 *	#	US-PATENT-APPL-SN-547677	c 10	N71-20448 *	#
US-PATENT-APPL-SN-516154	c 09	N69-24330 *	#	US-PATENT-APPL-SN-531647	c 04	N76-20114 *	#	US-PATENT-APPL-SN-548468	c 37	N76-27567 *	#
US-PATENT-APPL-SN-516155	c 09	N71-23270 *	#	US-PATENT-APPL-SN-531647	c 04	N77-19056 *	#	US-PATENT-APPL-SN-548559	c 44	N76-29700 *	#
US-PATENT-APPL-SN-516158	c 09	N71-19479 *	#	US-PATENT-APPL-SN-532006	c 23	N71-24857 *	#	US-PATENT-APPL-SN-548582	c 39	N86-20841 *	#
US-PATENT-APPL-SN-516159	c 14	N70-41812 *	#	US-PATENT-APPL-SN-532342	c 08	N85-35200 *	#	US-PATENT-APPL-SN-548583	c 27	N85-34282 *	#
US-PATENT-APPL-SN-516160	c 33	N71-16277 *	#	US-PATENT-APPL-SN-532784	c 27	N75-29263 *	#	US-PATENT-APPL-SN-548584	c 24	N84-34571 *	#
US-PATENT-APPL-SN-516162	c 07	N71-28900 *	#	US-PATENT-APPL-SN-532784	c 27	N78-17205 *	#	US-PATENT-APPL-SN-548808	c 14	N71-23227 *	#
US-PATENT-APPL-SN-516217	c 27	N85-21350 *	#	US-PATENT-APPL-SN-533555	c 36	N76-18428 *	#	US-PATENT-APPL-SN-549418	c 36	N76-31512 *	#
US-PATENT-APPL-SN-516217	c 27	N85-21351 *	#	US-PATENT-APPL-SN-533556	c 36	N76-29575 *	#	US-PATENT-APPL-SN-549860	c 03	N71-19438 *	#
US-PATENT-APPL-SN-516217	c 27	N85-21352 *	#	US-PATENT-APPL-SN-533608	c 32	N76-21366 *	#	US-PATENT-APPL-SN-550088	c 07	N71-24612 *	#
US-PATENT-APPL-SN-516217	c 25	N85-28982 *	#	US-PATENT-APPL-SN-533650	c 35	N75-37329 *	#	US-PATENT-APPL-SN-550681	c 02	N87-16793 *	#
US-PATENT-APPL-SN-516217	c 25	N85-30039 *	#	US-PATENT-APPL-SN-533659	c 14	N73-20390 *	#	US-PATENT-APPL-SN-551182	c 03	N71-23187 *	#
US-PATENT-APPL-SN-516793	c 16	N71-22895 *	#	US-PATENT-APPL-SN-533734	c 33	N77-10428 *	#	US-PATENT-APPL-SN-551184	c 37	N76-22541 *	#
US-PATENT-APPL-SN-516794	c 14	N70-42074 *	#	US-PATENT-APPL-SN-534265	c 32	N76-21365 *	#	US-PATENT-APPL-SN-551536	c 04	N86-27270 *	#
US-PATENT-APPL-SN-517100	c 28	N70-33241 *	#	US-PATENT-APPL-SN-534266	c 35	N76-24523 *	#	US-PATENT-APPL-SN-551694	c 31	N71-18611 *	#
US-PATENT-APPL-SN-517156	c 14	N71-23093 *	#	US-PATENT-APPL-SN-534295	c 15	N71-21076 *	#	US-PATENT-APPL-SN-551815	c 02	N71-11038 *	#
US-PATENT-APPL-SN-517157	c 15	N71-22722 *	#	US-PATENT-APPL-SN-534564	c 10	N71-22961 *	#	US-PATENT-APPL-SN-551846	c 03	N71-20492 *	#
US-PATENT-APPL-SN-517158	c 14	N71-23401 *	#	US-PATENT-APPL-SN-534901	c 14	N70-36807 *	#	US-PATENT-APPL-SN-551933	c 33	N71-14032 *	#
US-PATENT-APPL-SN-517159	c 15	N71-20740 *	#	US-PATENT-APPL-SN-534931	c 37	N80-14395 *	#	US-PATENT-APPL-SN-551961	c 15	N70-33376 *	#
US-PATENT-APPL-SN-517858	c 14	N71-21006 *	#	US-PATENT-APPL-SN-534966	c 15	N71-24042 *	#	US-PATENT-APPL-SN-552108	c 07	N79-14096 *	#
US-PATENT-APPL-SN-517869	c 15	N71-23050 *	#	US-PATENT-APPL-SN-534975	c 14	N71-24232 *	#	US-PATENT-APPL-SN-552344	c 09	N69-27463 *	#
US-PATENT-APPL-SN-517995	c 39	N76-31562 *	#	US-PATENT-APPL-SN-535169	c 54	N78-17678 *	#	US-PATENT-APPL-SN-552454	c 35	N76-24525 *	#
US-PATENT-APPL-SN-518487	c 05	N71-11190 *	#	US-PATENT-APPL-SN-535304	c 09	N71-28810 *	#	US-PATENT-APPL-SN-553339	c 27	N86-20560 *	#
US-PATENT-APPL-SN-518544	c 44	N76-24696 *	#	US-PATENT-APPL-SN-535410	c 37	N76-15457 *	#	US-PATENT-APPL-SN-55333	c 10	N73-16206 *	#
US-PATENT-APPL-SN-518545	c 19	N76-22284 *	#	US-PATENT-APPL-SN-536210	c 17	N71-24830 *	#	US-PATENT-APPL-SN-553687	c 44	N76-29704 *	#
US-PATENT-APPL-SN-518546	c 26	N76-18257 *	#	US-PATENT-APPL-SN-536216	c 10	N71-23315 *	#	US-PATENT-APPL-SN-553891	c 23	N71-16341 *	#
US-PATENT-APPL-SN-518684	c 44	N76-22657 *	#	US-PATENT-APPL-SN-536217	c 10	N71-23544 *	#	US-PATENT-APPL-SN-554277	c 07	N71-26579 *	#
US-PATENT-APPL-SN-518685	c 35	N76-14429 *	#	US-PATENT-APPL-SN-536535	c 33	N76-14371 *	#	US-PATENT-APPL-SN-554897	c 15	N71-22982 *	#
US-PATENT-APPL-SN-519160	c 18	N71-20742 *	#	US-PATENT-APPL-SN-536576	c 33	N76-19338 *	#	US-PATENT-APPL-SN-554899	c 15	N70-33382 *	#
US-PATENT-APPL-SN-519161	c 05	N71-20718 *	#	US-PATENT-APPL-SN-536762	c 37	N76-22540 *	#	US-PATENT-APPL-SN-554949	c 06	N71-20717 *	#
US-PATENT-APPL-SN-519395	c 09	N69-24317 *	#	US-PATENT-APPL-SN-536785	c 33	N76-31409 *	#	US-PATENT-APPL-SN-554950	c 17	N71-23248 *	#
US-PATENT-APPL-SN-520838	c 08	N71-18595 *	#	US-PATENT-APPL-SN-536786	c 44	N77-32581 *	#	US-PATENT-APPL-SN-554959	c 27	N79-21191 *	#
US-PATENT-APPL-SN-520839	c 10	N71-19472 *	#	US-PATENT-APPL-SN-537024	c 44	N76-27664 *	#	US-PATENT-APPL-SN-555189	c 08	N71-27255 *	#
US-PATENT-APPL-SN-521006	c 34	N77-10463 *	#	US-PATENT-APPL-SN-537480	c 45	N76-31714 *	#	US-PATENT-APPL-SN-555336	c 33	N76-27473 *	#
US-PATENT-APPL-SN-521601	c 60	N76-14818 *	#	US-PATENT-APPL-SN-537614	c 33	N86-20672 *	#	US-PATENT-APPL-SN-55534	c 11	N72-25288 *	#
US-PATENT-APPL-SN-521602	c 37	N76-18454 *	#	US-PATENT-APPL-SN-537615	c 28	N71-22983 *	#	US-PATENT-APPL-SN-55535	c 14	N73-20474 *	#
US-PATENT-APPL-SN-521603	c 35	N75-29380 *	#	US-PATENT-APPL-SN-537615	c 37	N85-34909 *	#	US-PATENT-APPL-SN-55536	c 14	N72-29464 *	#
US-PATENT-APPL-SN-521620	c 09	N77-10071 *	#	US-PATENT-APPL-SN-537616	c 26	N85-29005 *	#	US-PATENT-APPL-SN-55537	c 18	N72-25540 *	#
US-PATENT-APPL-SN-521753	c 15	N70-41960 *	#	US-PATENT-APPL-SN-537617	c 09	N71-22987 *	#	US-PATENT-APPL-SN-555641	c 51	N76-29891 *	#
US-PATENT-APPL-SN-521754	c 07	N71-22984 *	#	US-PATENT-APPL-SN-537757	c 37	N86-20789 *	#	US-PATENT-APPL-SN-555750	c 27	N79-12221 *	#
US-PATENT-APPL-SN-521755	c 28	N71-28849 *	#	US-PATENT-APPL-SN-537979	c 37	N77-11397 *	#	US-PATENT-APPL-SN-556481	c 74	N86-26190 *	#
US-PATENT-APPL-SN-521816	c 35	N77-19385 *	#	US-PATENT-APPL-SN-538047	c 37	N76-27668 *	#	US-PATENT-APPL-SN-556512	c 37	N86-25789 *	#
US-PATENT-APPL-SN-521817	c 45	N76-21742 *	#	US-PATENT-APPL-SN-538063	c 37	N86-19603 *	#	US-PATENT-APPL-SN-556513	c 33	N85-29143 *	#
US-PATENT-APPL-SN-521994	c 17	N71-23365 *	#	US-PATENT-APPL-SN-538166	c 15	N71-21177 *	#	US-PATENT-APPL-SN-556514	c 35	N86-25753 *	#
US-PATENT-APPL-SN-521996	c 15	N69-27871 *	#	US-PATENT-APPL-SN-538168	c 23	N71-16098 *	#	US-PATENT-APPL-SN-556784	c 09	N71-20447 *	#
US-PATENT-APPL-SN-521998	c 07	N69-24323 *	#	US-PATENT-APPL-SN-538863	c 54	N78-17680 *	#	US-PATENT-APPL-SN-556830	c 15	N71-26294 *	#
US-PATENT-APPL-SN-521999	c 12	N71-20815 *	#	US-PATENT-APPL-SN-538905	c 08	N71-18594 *	#	US-PATENT-APPL-SN-557016	c 15	N71-23086 *	#
US-PATENT-APPL-SN-522109	c 07	N78-17056 *	#	US-PATENT-APPL-SN-538907	c 33	N71-28903 *	#	US-PATENT-APPL-SN-557430	c 52	N77-14737 *	#
US-PATENT-APPL-SN-522551	c 76	N76-20994 *	#	US-PATENT-APPL-SN-538908	c 33	N71-22890 *	#	US-PATENT-APPL-SN-557448	c 45	N76-17656 *	#
US-PATENT-APPL-SN-522552	c 35	N76-16390 *	#	US-PATENT-APPL-SN-538911	c 33	N71-22792 *	#	US-PATENT-APPL-SN-557565	c 24	N77-27187 *	#
US-PATENT-APPL-SN-522556	c 35	N76-15432 *	#	US-PATENT-APPL-SN-538913	c 14	N71-16272 *	#	US-PATENT-APPL-SN-557584	c 09	N71-20851 *	#
US-PATENT-APPL-SN-5226628	c 08	N85-19985 *	#	US-PATENT-APPL-SN-538982	c 33	N77-14333 *	#	US-PATENT-APPL-SN-557861	c 03	N71-24605 *	#
US-PATENT-APPL-SN-522794	c 09	N71-23190 *	#	US-PATENT-APPL-SN-538983	c 33	N76-18353 *	#				

REPORT NUMBER INDEX

US-PATENT-APPL-SN-605100

US-PATENT-APPL-SN-560035	c 24	N85-30027 *	#	US-PATENT-APPL-SN-574284	c 08	N71-19763 *	US-PATENT-APPL-SN-590147	c 15	N71-21489 *
US-PATENT-APPL-SN-560891	c 73	N78-19920 *	#	US-PATENT-APPL-SN-574290	c 14	N71-20439 *	US-PATENT-APPL-SN-590158	c 05	N71-24147 *
US-PATENT-APPL-SN-560967	c 15	N69-21922 *	#	US-PATENT-APPL-SN-575291	c 33	N71-29151 *	US-PATENT-APPL-SN-590159	c 09	N69-24324 *
US-PATENT-APPL-SN-560968	c 10	N71-24863 *	#	US-PATENT-APPL-SN-575475	c 05	N69-23192 *	US-PATENT-APPL-SN-590182	c 37	N76-29588 *
US-PATENT-APPL-SN-560969	c 14	N71-15622 *	#	US-PATENT-APPL-SN-575930	c 06	N71-23230 *	US-PATENT-APPL-SN-590183	c 74	N79-13855 *
US-PATENT-APPL-SN-561020	c 44	N76-23675 *	#	US-PATENT-APPL-SN-576182	c 33	N71-24276 *	US-PATENT-APPL-SN-590921	c 71	N86-21276 *
US-PATENT-APPL-SN-561223	c 14	N71-20427 *	#	US-PATENT-APPL-SN-576183	c 09	N71-23525 *	US-PATENT-APPL-SN-590923	c 35	N85-34375 *
US-PATENT-APPL-SN-561369	c 35	N84-33766 *	#	US-PATENT-APPL-SN-576195	c 14	N71-21079 *	US-PATENT-APPL-SN-590925	c 26	N86-32550 *
US-PATENT-APPL-SN-561429	c 27	N85-21351 *	#	US-PATENT-APPL-SN-576308	c 07	N85-35194 *	US-PATENT-APPL-SN-590975	c 44	N78-31525 *
US-PATENT-APPL-SN-561431	c 27	N85-21350 *	#	US-PATENT-APPL-SN-576488	c 44	N76-28635 *	US-PATENT-APPL-SN-591000	c 15	N71-24044 *
US-PATENT-APPL-SN-561432	c 20	N86-26368 *	#	US-PATENT-APPL-SN-576521	c 09	N71-20864 *	US-PATENT-APPL-SN-591004	c 07	N71-11266 *
US-PATENT-APPL-SN-561433	c 35	N86-20752 *	#	US-PATENT-APPL-SN-576774	c 60	N77-19760 *	US-PATENT-APPL-SN-591007	c 16	N69-27491 *
US-PATENT-APPL-SN-561434	c 25	N85-30039 *	#	US-PATENT-APPL-SN-576792	c 14	N71-26136 *	US-PATENT-APPL-SN-591014	c 28	N71-24736 *
US-PATENT-APPL-SN-561435	c 27	N85-21352 *	#	US-PATENT-APPL-SN-576797	c 09	N69-24318 *	US-PATENT-APPL-SN-591089	c 24	N85-21267 *
US-PATENT-APPL-SN-561702	c 27	N84-16340 *	#	US-PATENT-APPL-SN-577114	c 15	N69-24320 *	US-PATENT-APPL-SN-591568	c 74	N76-31998 *
US-PATENT-APPL-SN-561764	c 32	N77-10392 *	#	US-PATENT-APPL-SN-577115	c 15	N71-17647 *	US-PATENT-APPL-SN-591569	c 37	N77-12402 *
US-PATENT-APPL-SN-561956	c 35	N77-17426 *	#	US-PATENT-APPL-SN-577545	c 08	N71-18693 *	US-PATENT-APPL-SN-591930	c 03	N69-21330 *
US-PATENT-APPL-SN-562443	c 09	N69-39734 *	#	US-PATENT-APPL-SN-577546	c 31	N71-23008 *	US-PATENT-APPL-SN-592159	c 07	N76-27232 *
US-PATENT-APPL-SN-562444	c 14	N71-22995 *	#	US-PATENT-APPL-SN-577548	c 09	N69-27422 *	US-PATENT-APPL-SN-592680	c 15	N71-22877 *
US-PATENT-APPL-SN-562445	c 14	N71-23797 *	#	US-PATENT-APPL-SN-577549	c 14	N72-28438 *	US-PATENT-APPL-SN-592694	c 05	N71-12342 *
US-PATENT-APPL-SN-562499	c 32	N77-31350 *	#	US-PATENT-APPL-SN-577755	c 15	N71-22721 *	US-PATENT-APPL-SN-593142	c 37	N77-17464 *
US-PATENT-APPL-SN-562558	c 31	N79-21227 *	#	US-PATENT-APPL-SN-577778	c 14	N71-17574 *	US-PATENT-APPL-SN-593593	c 06	N71-11239 *
US-PATENT-APPL-SN-562933	c 10	N71-24799 *	#	US-PATENT-APPL-SN-578240	c 03	N71-10505 *	US-PATENT-APPL-SN-593594	c 06	N71-11236 *
US-PATENT-APPL-SN-562934	c 09	N69-21468 *	#	US-PATENT-APPL-SN-578241	c 34	N77-18382 *	US-PATENT-APPL-SN-593595	c 06	N71-24740 *
US-PATENT-APPL-SN-562992	c 27	N78-32261 *	#	US-PATENT-APPL-SN-578242	c 52	N76-29896 *	US-PATENT-APPL-SN-593604	c 11	N69-27466 *
US-PATENT-APPL-SN-563049	c 17	N86-29347 *	#	US-PATENT-APPL-SN-578387	c 06	N84-20522 *	US-PATENT-APPL-SN-593605	c 06	N71-11242 *
US-PATENT-APPL-SN-563050	c 37	N76-31524 *	#	US-PATENT-APPL-SN-578388	c 06	N86-27280 *	US-PATENT-APPL-SN-593606	c 06	N71-11243 *
US-PATENT-APPL-SN-563283	c 35	N76-18401 *	#	US-PATENT-APPL-SN-578390	c 44	N85-30475 *	US-PATENT-APPL-SN-593607	c 07	N71-26102 *
US-PATENT-APPL-SN-563644	c 15	N71-18613 *	#	US-PATENT-APPL-SN-578397	c 20	N79-21124 *	US-PATENT-APPL-SN-594134	c 74	N86-20125 *
US-PATENT-APPL-SN-563646	c 05	N71-23096 *	#	US-PATENT-APPL-SN-578700	c 43	N82-13465 *	US-PATENT-APPL-SN-594584	c 14	N71-25892 *
US-PATENT-APPL-SN-563648	c 15	N71-17803 *	#	US-PATENT-APPL-SN-578916	c 14	N71-23036 *	US-PATENT-APPL-SN-594587	c 28	N71-21493 *
US-PATENT-APPL-SN-563650	c 25	N69-21929 *	#	US-PATENT-APPL-SN-578923	c 15	N71-21403 *	US-PATENT-APPL-SN-594633	c 15	N71-24046 *
US-PATENT-APPL-SN-563651	c 28	N71-23293 *	#	US-PATENT-APPL-SN-578925	c 23	N71-16355 *	US-PATENT-APPL-SN-595197	c 33	N77-10429 *
US-PATENT-APPL-SN-563890	c 35	N85-34373 *	#	US-PATENT-APPL-SN-578926	c 06	N69-39936 *	US-PATENT-APPL-SN-595254	c 17	N78-17140 *
US-PATENT-APPL-SN-564622	c 37	N77-31497 *	#	US-PATENT-APPL-SN-578928	c 26	N71-21824 *	US-PATENT-APPL-SN-595745	c 37	N77-32501 *
US-PATENT-APPL-SN-564919	c 09	N71-23316 *	#	US-PATENT-APPL-SN-578931	c 23	N71-21882 *	US-PATENT-APPL-SN-595747	c 37	N77-32500 *
US-PATENT-APPL-SN-565162	c 35	N79-14348 *	#	US-PATENT-APPL-SN-578932	c 08	N71-12505 *	US-PATENT-APPL-SN-596338	c 09	N71-20816 *
US-PATENT-APPL-SN-565289	c 38	N77-17495 *	#	US-PATENT-APPL-SN-579121	c 15	N71-29136 *	US-PATENT-APPL-SN-596641	c 07	N77-23106 *
US-PATENT-APPL-SN-565290	c 17	N76-22245 *	#	US-PATENT-APPL-SN-579300	c 20	N79-21123 *	US-PATENT-APPL-SN-596641	c 37	N78-10467 *
US-PATENT-APPL-SN-565481	c 09	N86-32447 *	#	US-PATENT-APPL-SN-579375	c 07	N77-14025 *	US-PATENT-APPL-SN-596733	c 15	N72-11389 *
US-PATENT-APPL-SN-565482	c 23	N84-16259 *	#	US-PATENT-APPL-SN-579376	c 20	N79-21125 *	US-PATENT-APPL-SN-596735	c 32	N71-24285 *
US-PATENT-APPL-SN-566392	c 14	N71-23175 *	#	US-PATENT-APPL-SN-579989	c 34	N77-32413 *	US-PATENT-APPL-SN-596787	c 37	N77-19458 *
US-PATENT-APPL-SN-566397	c 05	N71-23161 *	#	US-PATENT-APPL-SN-580365	c 15	N71-23255 *	US-PATENT-APPL-SN-596787	c 37	N78-31426 *
US-PATENT-APPL-SN-566493	c 44	N76-29701 *	#	US-PATENT-APPL-SN-580419	c 34	N85-33433 *	US-PATENT-APPL-SN-596788	c 33	N76-21390 *
US-PATENT-APPL-SN-566494	c 32	N77-30309 *	#	US-PATENT-APPL-SN-580573	c 44	N85-34441 *	US-PATENT-APPL-SN-596905	c 24	N77-19170 *
US-PATENT-APPL-SN-566495	c 33	N77-17351 *	#	US-PATENT-APPL-SN-580574	c 18	N84-22610 *	US-PATENT-APPL-SN-596959	c 18	N84-22609 *
US-PATENT-APPL-SN-566717	c 14	N71-24233 *	#	US-PATENT-APPL-SN-58147	c 28	N70-33356 *	US-PATENT-APPL-SN-596959	c 18	N86-20469 *
US-PATENT-APPL-SN-567686	c 15	N71-22994 *	#	US-PATENT-APPL-SN-581514	c 70	N75-26789 *	US-PATENT-APPL-SN-596960	c 37	N85-33490 *
US-PATENT-APPL-SN-567806	c 06	N71-22975 *	#	US-PATENT-APPL-SN-581750	c 07	N78-10555 *	US-PATENT-APPL-SN-597430	c 44	N81-29525 *
US-PATENT-APPL-SN-56791	c 10	N72-16172 *	#	US-PATENT-APPL-SN-581751	c 37	N78-10468 *	US-PATENT-APPL-SN-597430	c 44	N82-28780 *
US-PATENT-APPL-SN-568067	c 31	N71-22968 *	#	US-PATENT-APPL-SN-581843	c 31	N79-21226 *	US-PATENT-APPL-SN-598118	c 15	N69-27490 *
US-PATENT-APPL-SN-568071	c 14	N69-27461 *	#	US-PATENT-APPL-SN-582171	c 32	N71-16428 *	US-PATENT-APPL-SN-598119	c 08	N71-19437 *
US-PATENT-APPL-SN-568160	c 10	N71-18724 *	#	US-PATENT-APPL-SN-582213	c 32	N74-22096 *	US-PATENT-APPL-SN-598120	c 08	N71-18602 *
US-PATENT-APPL-SN-568346	c 04	N69-27487 *	#	US-PATENT-APPL-SN-582318	c 33	N76-27472 *	US-PATENT-APPL-SN-598504	c 37	N77-14477 *
US-PATENT-APPL-SN-568352	c 09	N71-20842 *	#	US-PATENT-APPL-SN-582492	c 52	N85-30618 *	US-PATENT-APPL-SN-598777	c 27	N85-34281 *
US-PATENT-APPL-SN-568354	c 14	N71-22752 *	#	US-PATENT-APPL-SN-582494	c 36	N84-25037 *	US-PATENT-APPL-SN-598892	c 06	N73-30097 *
US-PATENT-APPL-SN-568355	c 32	N71-23971 *	#	US-PATENT-APPL-SN-582495	c 44	N86-27706 *	US-PATENT-APPL-SN-598892	c 15	N74-27360 *
US-PATENT-APPL-SN-568356	c 14	N71-15599 *	#	US-PATENT-APPL-SN-582609	c 10	N71-19467 *	US-PATENT-APPL-SN-598993	c 15	N72-25456 *
US-PATENT-APPL-SN-568362	c 03	N69-39983 *	#	US-PATENT-APPL-SN-582643	c 35	N85-34374 *	US-PATENT-APPL-SN-598994	c 23	N73-13662 *
US-PATENT-APPL-SN-568364	c 10	N71-26418 *	#	US-PATENT-APPL-SN-583055	c 07	N78-18067 *	US-PATENT-APPL-SN-598995	c 15	N72-20445 *
US-PATENT-APPL-SN-568541	c 24	N77-28225 *	#	US-PATENT-APPL-SN-583056	c 37	N78-17384 *	US-PATENT-APPL-SN-598997	c 31	N77-10229 *
US-PATENT-APPL-SN-568541	c 27	N81-14077 *	#	US-PATENT-APPL-SN-583219	c 43	N82-13465 *	US-PATENT-APPL-SN-598998	c 33	N77-17354 *
US-PATENT-APPL-SN-568620	c 10	N71-26626 *	#	US-PATENT-APPL-SN-583485	c 33	N77-28385 *	US-PATENT-APPL-SN-598999	c 44	N78-17460 *
US-PATENT-APPL-SN-568987	c 10	N71-19547 *	#	US-PATENT-APPL-SN-583486	c 33	N77-26386 *	US-PATENT-APPL-SN-599284	c 35	N77-14411 *
US-PATENT-APPL-SN-569370	c 43	N84-23012 *	#	US-PATENT-APPL-SN-583487	c 52	N76-19785 *	US-PATENT-APPL-SN-599556	c 14	N72-72411 *
US-PATENT-APPL-SN-569372	c 76	N85-33826 *	#	US-PATENT-APPL-SN-584015	c 14	N71-26475 *	US-PATENT-APPL-SN-599666	c 21	N72-25595 *
US-PATENT-APPL-SN-569373	c 27	N84-20702 *	#	US-PATENT-APPL-SN-584066	c 10	N71-20852 *	US-PATENT-APPL-SN-599668	c 15	N72-27484 *
US-PATENT-APPL-SN-569536	c 27	N84-32532 *	#	US-PATENT-APPL-SN-584067	c 07	N71-12392 *	US-PATENT-APPL-SN-599699	c 09	N72-25249 *
US-PATENT-APPL-SN-569925	c 07	N77-17059 *	#	US-PATENT-APPL-SN-584070	c 09	N69-27500 *	US-PATENT-APPL-SN-599975	c 08	N69-21928 *
US-PATENT-APPL-SN-570093	c 06	N71-17705 *	#	US-PATENT-APPL-SN-584071	c 26	N71-16037 *	US-PATENT-APPL-SN-600266	c 14	N71-20430 *
US-PATENT-APPL-SN-570095	c 14	N71-23226 *	#	US-PATENT-APPL-SN-584072	c 15	N69-39786 *	US-PATENT-APPL-SN-600682	c 14	N71-20461 *
US-PATENT-APPL-SN-570097	c 15	N69-23185 *	#	US-PATENT-APPL-SN-584094	c 26	N77-20201 *	US-PATENT-APPL-SN-601130	c 31	N86-21718 *
US-PATENT-APPL-SN-570678	c 17	N71-25903 *	#	US-PATENT-APPL-SN-584914	c 54	N78-17679 *	US-PATENT-APPL-SN-601228	c 15	N71-17652 *
US-PATENT-APPL-SN-571458	c 44	N77-10635 *	#	US-PATENT-APPL-SN-585217	c 54	N78-17677 *	US-PATENT-APPL-SN-601229	c 14	N71-26474 *
US-PATENT-APPL-SN-571459	c 54	N78-14784 *	#	US-PATENT-APPL-SN-585420	c 35	N76-31489 *	US-PATENT-APPL-SN-602049	c 35	N86-32697 *
US-PATENT-APPL-SN-571613	c 74	N86-20124 *	#	US-PATENT-APPL-SN-585988	c 33	N75-29318 *	US-PATENT-APPL-SN-602617	c 37	N77-23483 *
US-PATENT-APPL-SN-571614	c 35	N86-20750 *	#	US-PATENT-APPL-SN-586324	c 05	N71-26293 *	US-PATENT-APPL-SN-602618	c 44	N76-31667 *
US-PATENT-APPL-SN-571615	c 74	N87-14971 *	#	US-PATENT-APPL-SN-586325	c 31	N71-24315 *	US-PATENT-APPL-SN-60276	c 22	N73-32528 *
US-PATENT-APPL-SN-571616	c 25	N86-19413 *	#	US-PATENT-APPL-SN-586329	c 05	N71-24623 *	US-PATENT-APPL-SN-602828	c 09	N71-13531 *
US-PATENT-APPL-SN-571617	c 26	N85-35267 *	#	US-PATENT-APPL-SN-586330	c 05	N71-12344 *	US-PATENT-APPL-SN-603373	c 28	N84-29017 *
US-PATENT-APPL-SN-571821	c 20	N76-22296 *	#	US-PATENT-APPL-SN-587764	c 18	N86-24729 *	US-PATENT-APPL-SN-603374	c 37	N86-19606 *
US-PATENT-APPL-SN-57252	c 14	N72-25414 *	#	US-PATENT-APPL-SN-588036	c 18	N84-22612 *	US-PATENT-APPL-SN-603396	c 14	N69-23191 *
US-PATENT-APPL-SN-57253	c 18	N72-25541 *	#	US-PATENT-APPL-SN-588039	c 18	N87-14373 *	US-PATENT-APPL-SN-603397	c 26	N71-23292 *
US-PATENT-APPL-SN-572990	c 37	N78-16369 *	#	US-PATENT-APPL-SN-588164	c 31	N85-29082 *	US-PATENT-APPL-SN-604337	c 27	N85-29044 *
US-PATENT-APPL-SN-572991	c 51	N77-22794 *	#	US-PATENT-APPL-SN-588635	c 21	N71-15642 *	US-PATENT-APPL-SN-604374	c 44	N76-29699 *
US-PATENT-APPL-SN-573029	c 07	N79-14097 *	#	US-PATENT-APPL-SN-588651	c 31	N71-24813 *	US-PATENT-APPL-SN-605090	c 15	N71-19485 *
US-PATENT-APPL-SN-573162	c 37	N86-27630 *	#	US-PATENT-APPL-SN-588671	c 03	N71-23354 *	US-PATENT-APPL-SN-605091	c 15	N71-26346 *
US-PATENT-APPL-SN-573432	c 14	N71-23790 *	#	US-PATENT-APPL-SN-588721	c 27	N78-33228 *	US-PATENT-APPL-SN-605092	c 05	N71-23317 *
US-PATENT-APPL-SN-57399	c 03	N72-20034 *	#	US-PATENT-APPL-SN-589119	c 32	N77-32342 *	US-PATENT-APPL-SN-605093	c 17	N71-24911 *
US-PATENT-APPL-SN-574208	c 37	N76-29590 *	#	US-PATENT-APPL-SN-589172	c 27	N79-14214 *			

US-PATENT-APPL-SN-605102	c 09	N69-39987 * #	US-PATENT-APPL-SN-625734	c 35	N78-10428 * #	US-PATENT-APPL-SN-641142	c 23	N86-32525 * #
US-PATENT-APPL-SN-60531	c 28	N70-37980 * #	US-PATENT-APPL-SN-625759	c 37	N77-14478 * #	US-PATENT-APPL-SN-641143	c 27	N85-34280 * #
US-PATENT-APPL-SN-60536	c 02	N70-38009 * #	US-PATENT-APPL-SN-625781	c 33	N77-31404 * #	US-PATENT-APPL-SN-641146	c 76	N87-13313 * #
US-PATENT-APPL-SN-605518	c 15	N71-23023 * #	US-PATENT-APPL-SN-626376	c 05	N71-11189 * #	US-PATENT-APPL-SN-641147	c 27	N85-21364 * #
US-PATENT-APPL-SN-605964	c 06	N73-30103 * #	US-PATENT-APPL-SN-626942	c 51	N77-27677 * #	US-PATENT-APPL-SN-641152	c 23	N86-20499 * #
US-PATENT-APPL-SN-605994	c 06	N73-30101 * #	US-PATENT-APPL-SN-627257	c 08	N71-12504 * #	US-PATENT-APPL-SN-641153	c 27	N86-32568 * #
US-PATENT-APPL-SN-606027	c 06	N73-30099 * #	US-PATENT-APPL-SN-627599	c 18	N71-16046 * #	US-PATENT-APPL-SN-641420	c 03	N71-23449 * #
US-PATENT-APPL-SN-606036	c 06	N73-30100 * #	US-PATENT-APPL-SN-628094	c 16	N71-20400 * #	US-PATENT-APPL-SN-641431	c 30	N71-16090 * #
US-PATENT-APPL-SN-606426	c 74	N86-29650 * #	US-PATENT-APPL-SN-628221	c 07	N78-18066 * #	US-PATENT-APPL-SN-641441	c 08	N71-18751 * #
US-PATENT-APPL-SN-606431	c 37	N86-25791 * #	US-PATENT-APPL-SN-628246	c 15	N71-17687 * #	US-PATENT-APPL-SN-641784	c 37	N77-32499 * #
US-PATENT-APPL-SN-606462	c 08	N71-24891 * #	US-PATENT-APPL-SN-628247	c 09	N69-21542 * #	US-PATENT-APPL-SN-641802	c 34	N77-30399 * #
US-PATENT-APPL-SN-606463	c 14	N71-24864 * #	US-PATENT-APPL-SN-628248	c 14	N69-27432 * #	US-PATENT-APPL-SN-641803	c 35	N78-18391 * #
US-PATENT-APPL-SN-606464	c 15	N71-18579 * #	US-PATENT-APPL-SN-628866	c 31	N85-20153 * #	US-PATENT-APPL-SN-642224	c 17	N70-38490 * #
US-PATENT-APPL-SN-606891	c 44	N77-14581 * #	US-PATENT-APPL-SN-629456	c 37	N77-14479 * #	US-PATENT-APPL-SN-642226	c 17	N78-38198 * #
US-PATENT-APPL-SN-607461	c 05	N71-12346 * #	US-PATENT-APPL-SN-629457	c 35	N77-32454 * #	US-PATENT-APPL-SN-642310	c 44	N86-19721 * #
US-PATENT-APPL-SN-607484	c 09	N71-26002 * #	US-PATENT-APPL-SN-629458	c 35	N78-17357 * #	US-PATENT-APPL-SN-642602	c 54	N86-29507 * #
US-PATENT-APPL-SN-607608	c 14	N69-27484 * #	US-PATENT-APPL-SN-629759	c 15	N71-16076 * #	US-PATENT-APPL-SN-643041	c 44	N78-19599 * #
US-PATENT-APPL-SN-607969	c 09	N76-23273 * #	US-PATENT-APPL-SN-630579	c 35	N77-24454 * #	US-PATENT-APPL-SN-643043	c 35	N78-13400 * #
US-PATENT-APPL-SN-608247	c 15	N71-20813 * #	US-PATENT-APPL-SN-630583	c 33	N77-24375 * #	US-PATENT-APPL-SN-643332	c 15	N71-14932 * #
US-PATENT-APPL-SN-608482	c 74	N77-20882 * #	US-PATENT-APPL-SN-631341	c 60	N78-17691 * #	US-PATENT-APPL-SN-643522	c 16	N86-26352 * #
US-PATENT-APPL-SN-608483	c 09	N77-19076 * #	US-PATENT-APPL-SN-631344	c 16	N72-28521 * #	US-PATENT-APPL-SN-643524	c 27	N86-29039 * #
US-PATENT-APPL-SN-608741	c 23	N85-28973 * #	US-PATENT-APPL-SN-631848	c 09	N71-12514 * #	US-PATENT-APPL-SN-643589	c 27	N86-31727 * #
US-PATENT-APPL-SN-60876	c 15	N72-27485 * #	US-PATENT-APPL-SN-63195	c 14	N72-27408 * #	US-PATENT-APPL-SN-643897	c 73	N78-32848 * #
US-PATENT-APPL-SN-60881	c 32	N72-25877 * #	US-PATENT-APPL-SN-632104	c 09	N71-19470 * #	US-PATENT-APPL-SN-643931	c 31	N72-25842 * #
US-PATENT-APPL-SN-60882	c 05	N73-32011 * #	US-PATENT-APPL-SN-632111	c 37	N79-10422 * #	US-PATENT-APPL-SN-644444	c 09	N71-18721 * #
US-PATENT-APPL-SN-60883	c 10	N73-13235 * #	US-PATENT-APPL-SN-632112	c 35	N77-22449 * #	US-PATENT-APPL-SN-644446	c 14	N71-24693 * #
US-PATENT-APPL-SN-608944	c 15	N71-23798 * #	US-PATENT-APPL-SN-632152	c 10	N71-24798 * #	US-PATENT-APPL-SN-644447	c 14	N71-24234 * #
US-PATENT-APPL-SN-609050	c 04	N73-27052 * #	US-PATENT-APPL-SN-632154	c 09	N69-39984 * #	US-PATENT-APPL-SN-644448	c 17	N69-25147 * #
US-PATENT-APPL-SN-610723	c 14	N71-23755 * #	US-PATENT-APPL-SN-632162	c 14	N69-39937 * #	US-PATENT-APPL-SN-644799	c 17	N71-15468 * #
US-PATENT-APPL-SN-610724	c 31	N71-28851 * #	US-PATENT-APPL-SN-632163	c 30	N71-23723 * #	US-PATENT-APPL-SN-645500	c 74	N77-28932 * #
US-PATENT-APPL-SN-610728	c 31	N71-22969 * #	US-PATENT-APPL-SN-632164	c 15	N69-24319 * #	US-PATENT-APPL-SN-645502	c 24	N79-25143 * #
US-PATENT-APPL-SN-610801	c 76	N77-32919 * #	US-PATENT-APPL-SN-632165	c 14	N71-26266 * #	US-PATENT-APPL-SN-645507	c 26	N77-32280 * #
US-PATENT-APPL-SN-610802	c 35	N77-20400 * #	US-PATENT-APPL-SN-633178	c 25	N84-32447 * #	US-PATENT-APPL-SN-645508	c 44	N77-14580 * #
US-PATENT-APPL-SN-611414	c 46	N74-23068 * #	US-PATENT-APPL-SN-633179	c 34	N86-12547 * #	US-PATENT-APPL-SN-645510	c 32	N77-30308 * #
US-PATENT-APPL-SN-611414	c 46	N74-23069 * #	US-PATENT-APPL-SN-633180	c 09	N84-32398 * #	US-PATENT-APPL-SN-645563	c 31	N71-20396 * #
US-PATENT-APPL-SN-612265	c 14	N72-22442 * #	US-PATENT-APPL-SN-633363	c 25	N86-25428 * #	US-PATENT-APPL-SN-645571	c 35	N77-14407 * #
US-PATENT-APPL-SN-612568	c 15	N71-28952 * #	US-PATENT-APPL-SN-63383	c 08	N72-20177 * #	US-PATENT-APPL-SN-645573	c 24	N71-25555 * #
US-PATENT-APPL-SN-612740	c 25	N71-20563 * #	US-PATENT-APPL-SN-63384	c 05	N72-22093 * #	US-PATENT-APPL-SN-645584	c 08	N71-12494 * #
US-PATENT-APPL-SN-612899	c 07	N77-18154 * #	US-PATENT-APPL-SN-633876	c 27	N78-19302 * #	US-PATENT-APPL-SN-646044	c 37	N85-34403 * #
US-PATENT-APPL-SN-612964	c 20	N77-10148 * #	US-PATENT-APPL-SN-633877	c 27	N77-13217 * #	US-PATENT-APPL-SN-646124	c 15	N71-23817 * #
US-PATENT-APPL-SN-612965	c 52	N77-14735 * #	US-PATENT-APPL-SN-634038	c 25	N71-16073 * #	US-PATENT-APPL-SN-646333	c 35	N80-26635 * #
US-PATENT-APPL-SN-612966	c 35	N78-12390 * #	US-PATENT-APPL-SN-634040	c 15	N71-19489 * #	US-PATENT-APPL-SN-646424	c 07	N69-27460 * #
US-PATENT-APPL-SN-612967	c 74	N77-18893 * #	US-PATENT-APPL-SN-634060	c 09	N69-39897 * #	US-PATENT-APPL-SN-646704	c 36	N77-25499 * #
US-PATENT-APPL-SN-613004	c 71	N77-26919 * #	US-PATENT-APPL-SN-634205	c 35	N77-14406 * #	US-PATENT-APPL-SN-646934	c 08	N71-18692 * #
US-PATENT-APPL-SN-613139	c 27	N86-27450 * #	US-PATENT-APPL-SN-634214	c 73	N78-28913 * #	US-PATENT-APPL-SN-64709	c 10	N72-28240 * #
US-PATENT-APPL-SN-613140	c 33	N86-20669 * #	US-PATENT-APPL-SN-634304	c 27	N79-18052 * #	US-PATENT-APPL-SN-64723	c 07	N72-25170 * #
US-PATENT-APPL-SN-613235	c 14	N73-30394 * #	US-PATENT-APPL-SN-635325	c 14	N69-27431 * #	US-PATENT-APPL-SN-647298	c 31	N71-16102 * #
US-PATENT-APPL-SN-613229	c 31	N70-37986 * #	US-PATENT-APPL-SN-635326	c 14	N71-18482 * #	US-PATENT-APPL-SN-648034	c 09	N79-21083 * #
US-PATENT-APPL-SN-613734	c 52	N77-14738 * #	US-PATENT-APPL-SN-635327	c 12	N69-39988 * #	US-PATENT-APPL-SN-648700	c 74	N78-13874 * #
US-PATENT-APPL-SN-613979	c 33	N71-14035 * #	US-PATENT-APPL-SN-635328	c 09	N69-21467 * #	US-PATENT-APPL-SN-649075	c 14	N71-15600 * #
US-PATENT-APPL-SN-615030	c 35	N78-19465 * #	US-PATENT-APPL-SN-63532	c 08	N72-25209 * #	US-PATENT-APPL-SN-649076	c 08	N71-24890 * #
US-PATENT-APPL-SN-615135	c 15	N72-25453 * #	US-PATENT-APPL-SN-635519	c 35	N77-24455 * #	US-PATENT-APPL-SN-649078	c 07	N71-19493 * #
US-PATENT-APPL-SN-615505	c 34	N85-29180 * #	US-PATENT-APPL-SN-635531	c 33	N77-14334 * #	US-PATENT-APPL-SN-649327	c 33	N85-20249 * #
US-PATENT-APPL-SN-616002	c 34	N86-27593 * #	US-PATENT-APPL-SN-635970	c 15	N69-21465 * #	US-PATENT-APPL-SN-649328	c 27	N86-19456 * #
US-PATENT-APPL-SN-616332	c 24	N77-27188 * #	US-PATENT-APPL-SN-635972	c 18	N71-23710 * #	US-PATENT-APPL-SN-649329	c 05	N84-33400 * #
US-PATENT-APPL-SN-616333	c 33	N76-32457 * #	US-PATENT-APPL-SN-63610	c 06	N72-25147 * #	US-PATENT-APPL-SN-649330	c 27	N86-19458 * #
US-PATENT-APPL-SN-616472	c 74	N77-22951 * #	US-PATENT-APPL-SN-636193	c 74	N78-15880 * #	US-PATENT-APPL-SN-649356	c 09	N71-23189 * #
US-PATENT-APPL-SN-616528	c 24	N80-33482 * #	US-PATENT-APPL-SN-636463	c 20	N87-16875 * #	US-PATENT-APPL-SN-649357	c 08	N71-12500 * #
US-PATENT-APPL-SN-617021	c 23	N71-16101 * #	US-PATENT-APPL-SN-636465	c 37	N85-29284 * #	US-PATENT-APPL-SN-649358	c 07	N71-11267 * #
US-PATENT-APPL-SN-617022	c 07	N69-27462 * #	US-PATENT-APPL-SN-636796	c 35	N78-17358 * #	US-PATENT-APPL-SN-649359	c 15	N71-18701 * #
US-PATENT-APPL-SN-617202	c 74	N77-28933 * #	US-PATENT-APPL-SN-636878	c 14	N71-20442 * #	US-PATENT-APPL-SN-649360	c 23	N71-16365 * #
US-PATENT-APPL-SN-617612	c 52	N77-10780 * #	US-PATENT-APPL-SN-637247	c 35	N77-10493 * #	US-PATENT-APPL-SN-650166	c 09	N71-23191 * #
US-PATENT-APPL-SN-617770	c 14	N71-23267 * #	US-PATENT-APPL-SN-637249	c 38	N76-28563 * #	US-PATENT-APPL-SN-651002	c 08	N79-14108 * #
US-PATENT-APPL-SN-617774	c 18	N71-16124 * #	US-PATENT-APPL-SN-637268	c 47	N77-10753 * #	US-PATENT-APPL-SN-651007	c 74	N78-17865 * #
US-PATENT-APPL-SN-617775	c 06	N71-28807 * #	US-PATENT-APPL-SN-637269	c 52	N77-28717 * #	US-PATENT-APPL-SN-651009	c 26	N78-18182 * #
US-PATENT-APPL-SN-617776	c 18	N69-39895 * #	US-PATENT-APPL-SN-637882	c 15	N71-17650 * #	US-PATENT-APPL-SN-651627	c 26	N72-25679 * #
US-PATENT-APPL-SN-617778	c 14	N71-26244 * #	US-PATENT-APPL-SN-638192	c 10	N71-26415 * #	US-PATENT-APPL-SN-651972	c 27	N74-23125 * #
US-PATENT-APPL-SN-617779	c 09	N69-39929 * #	US-PATENT-APPL-SN-638194	c 33	N71-21507 * #	US-PATENT-APPL-SN-652948	c 52	N77-14736 * #
US-PATENT-APPL-SN-617782	c 15	N69-24266 * #	US-PATENT-APPL-SN-638541	c 33	N86-20671 * #	US-PATENT-APPL-SN-652979	c 45	N82-11034 * #
US-PATENT-APPL-SN-617871	c 27	N85-29043 * #	US-PATENT-APPL-SN-638584	c 33	N86-20670 * #	US-PATENT-APPL-SN-653277	c 31	N71-23912 * #
US-PATENT-APPL-SN-617895	c 32	N77-14292 * #	US-PATENT-APPL-SN-638707	c 14	N69-27486 * #	US-PATENT-APPL-SN-653278	c 14	N69-27503 * #
US-PATENT-APPL-SN-618594	c 37	N77-13418 * #	US-PATENT-APPL-SN-639589	c 28	N70-33372 * #	US-PATENT-APPL-SN-653316	c 25	N77-32255 * #
US-PATENT-APPL-SN-61894	c 12	N72-21310 * #	US-PATENT-APPL-SN-640154	c 09	N71-18600 * #	US-PATENT-APPL-SN-653422	c 35	N77-20401 * #
US-PATENT-APPL-SN-61895	c 07	N72-33146 * #	US-PATENT-APPL-SN-640447	c 15	N71-19486 * #	US-PATENT-APPL-SN-653682	c 39	N78-10493 * #
US-PATENT-APPL-SN-618969	c 05	N71-26333 * #	US-PATENT-APPL-SN-640448	c 08	N71-19420 * #	US-PATENT-APPL-SN-654787	c 07	N77-32148 * #
US-PATENT-APPL-SN-619519	c 32	N71-16106 * #	US-PATENT-APPL-SN-640449	c 09	N71-19516 * #	US-PATENT-APPL-SN-655149	c 07	N77-23106 * #
US-PATENT-APPL-SN-619520	c 05	N69-21380 * #	US-PATENT-APPL-SN-640450	c 15	N71-17694 * #	US-PATENT-APPL-SN-655548	c 18	N70-39897 * #
US-PATENT-APPL-SN-619521	c 06	N69-39889 * #	US-PATENT-APPL-SN-640452	c 09	N71-12513 * #	US-PATENT-APPL-SN-655601	c 32	N86-27513 * #
US-PATENT-APPL-SN-619903	c 15	N69-27505 * #	US-PATENT-APPL-SN-640453	c 23	N71-16099 * #	US-PATENT-APPL-SN-655605	c 52	N85-20639 * #
US-PATENT-APPL-SN-619907	c 09	N69-21543 * #	US-PATENT-APPL-SN-640454	c 06	N71-11238 * #	US-PATENT-APPL-SN-655606	c 32	N85-20226 * #
US-PATENT-APPL-SN-619908	c 08	N71-20571 * #	US-PATENT-APPL-SN-640455	c 10	N71-23099 * #	US-PATENT-APPL-SN-655675	c 17	N71-24142 * #
US-PATENT-APPL-SN-619986	c 37	N75-32465 * #	US-PATENT-APPL-SN-640456	c 03	N71-26726 * #	US-PATENT-APPL-SN-655677	c 08	N71-19432 * #
US-PATENT-APPL-SN-620675	c 35	N78-19466 * #	US-PATENT-APPL-SN-640457	c 03	N71-11052 * #	US-PATENT-APPL-SN-655724	c 15	N71-22706 * #
US-PATENT-APPL-SN-621098	c 09	N71-20446 * #	US-PATENT-APPL-SN-640458	c 15	N71-23811 * #	US-PATENT-APPL-SN-655952	c 09	N71-12519 * #
US-PATENT-APPL-SN-621714	c 15	N71-19569 * #	US-PATENT-APPL-SN-640459	c 10	N71-18723 * #	US-PATENT-APPL-SN-656953	c 14	N71-17585 * #
US-PATENT-APPL-SN-621715	c 05	N71-11207 * #	US-PATENT-APPL-SN-640460	c 14	N69-21541 * #	US-PATENT-APPL-SN-656993	c 09	N71-24843 * #
US-PATENT-APPL-SN-621742	c 28	N71-23968 * #	US-PATENT-APPL-SN-640462	c 15	N71-20443 * #	US-PATENT-APPL-SN-656995	c 21	N71-14132 * #
US-PATENT-APPL-SN-623156	c 04	N77-19056 * #	US-PATENT-APPL-SN-640712	c 24	N85-35233 * #	US-PATENT-APPL-SN-657309	c 31	N86-29055 * #
US-PATENT-APPL-SN-623187	c 34	N77-19353 * #	US-PATENT-APPL-SN-640781	c 03	N69-25146 * #	US-PATENT-APPL-SN-657310	c 35	N85-20299 * #
US-PATENT-APPL-SN-623188	c 54	N77-21844 * #	US-PATENT-APPL-SN-640783	c 09	N71-26000 * #	US-PATENT-APPL-S		

REPORT NUMBER INDEX

US-PATENT-APPL-SN-701635

US-PATENT-APPL-SN-657998	c 27	N78-32262 *	#	US-PATENT-APPL-SN-672636	c 37	N79-11405 *	#	US-PATENT-APPL-SN-685787	c 14	N71-18625 *
US-PATENT-APPL-SN-658132	c 44	N77-32580 *	#	US-PATENT-APPL-SN-672695	c 27	N78-17206 *	#	US-PATENT-APPL-SN-686209	c 15	N71-23809 *
US-PATENT-APPL-SN-658133	c 71	N78-10837 *	#	US-PATENT-APPL-SN-672815	c 37	N77-23482 *	#	US-PATENT-APPL-SN-686248	c 14	N71-26774 *
US-PATENT-APPL-SN-65840	c 10	N72-20225 *	#	US-PATENT-APPL-SN-673226	c 08	N71-12502 *	#	US-PATENT-APPL-SN-686296	c 18	N71-14014 *
US-PATENT-APPL-SN-658449	c 32	N77-20289 *	#	US-PATENT-APPL-SN-673227	c 11	N71-24964 *	#	US-PATENT-APPL-SN-686331	c 38	N78-32447 *
US-PATENT-APPL-SN-658450	c 37	N77-22482 *	#	US-PATENT-APPL-SN-673228	c 07	N71-19433 *	#	US-PATENT-APPL-SN-686344	c 15	N71-17688 *
US-PATENT-APPL-SN-658487	c 37	N81-25371 *	#	US-PATENT-APPL-SN-673229	c 33	N71-15641 *	#	US-PATENT-APPL-SN-686449	c 34	N78-18355 *
US-PATENT-APPL-SN-658955	c 14	N71-15605 *	#	US-PATENT-APPL-SN-674194	c 27	N78-17215 *	#	US-PATENT-APPL-SN-686796	c 15	N70-33311 *
US-PATENT-APPL-SN-658956	c 15	N71-15607 *	#	US-PATENT-APPL-SN-674195	c 74	N78-17866 *	#	US-PATENT-APPL-SN-686933	c 14	N71-17588 *
US-PATENT-APPL-SN-658957	c 14	N71-17584 *	#	US-PATENT-APPL-SN-674355	c 14	N71-20429 *	#	US-PATENT-APPL-SN-686959	c 02	N85-28922 *
US-PATENT-APPL-SN-658964	c 19	N71-26674 *	#	US-PATENT-APPL-SN-674356	c 14	N71-23699 *	#	US-PATENT-APPL-SN-687251	c 52	N79-12694 *
US-PATENT-APPL-SN-658999	c 44	N82-24645 *	#	US-PATENT-APPL-SN-674357	c 05	N71-12351 *	#	US-PATENT-APPL-SN-687822	c 44	N78-14625 *
US-PATENT-APPL-SN-659474	c 35	N86-26595 *	#	US-PATENT-APPL-SN-674395	c 76	N85-22178 *	#	US-PATENT-APPL-SN-688742	c 15	N71-20441 *
US-PATENT-APPL-SN-659475	c 31	N86-32587 *	#	US-PATENT-APPL-SN-674700	c 27	N77-31308 *	#	US-PATENT-APPL-SN-688743	c 15	N71-20393 *
US-PATENT-APPL-SN-659882	c 37	N78-13436 *	#	US-PATENT-APPL-SN-675238	c 10	N71-26374 *	#	US-PATENT-APPL-SN-688805	c 14	N71-17701 *
US-PATENT-APPL-SN-66004	c 15	N72-25450 *	#	US-PATENT-APPL-SN-675238	c 35	N78-15461 *	#	US-PATENT-APPL-SN-688807	c 03	N71-23239 *
US-PATENT-APPL-SN-660571	c 26	N71-23654 *	#	US-PATENT-APPL-SN-675351	c 35	N78-10429 *	#	US-PATENT-APPL-SN-688852	c 44	N78-28594 *
US-PATENT-APPL-SN-660572	c 15	N71-15571 *	#	US-PATENT-APPL-SN-676012	c 05	N71-11193 *	#	US-PATENT-APPL-SN-688854	c 54	N77-32722 *
US-PATENT-APPL-SN-660573	c 15	N71-28936 *	#	US-PATENT-APPL-SN-676375	c 14	N71-18483 *	#	US-PATENT-APPL-SN-688856	c 54	N78-32720 *
US-PATENT-APPL-SN-660841	c 14	N71-15621 *	#	US-PATENT-APPL-SN-676386	c 08	N71-12507 *	#	US-PATENT-APPL-SN-688868	c 15	N71-17686 *
US-PATENT-APPL-SN-660842	c 14	N71-23726 *	#	US-PATENT-APPL-SN-676387	c 10	N71-25950 *	#	US-PATENT-APPL-SN-689455	c 54	N74-32546 *
US-PATENT-APPL-SN-660843	c 08	N71-24650 *	#	US-PATENT-APPL-SN-676391	c 21	N71-11766 *	#	US-PATENT-APPL-SN-690163	c 14	N71-18465 *
US-PATENT-APPL-SN-6610	c 15	N72-22492 *	#	US-PATENT-APPL-SN-676432	c 28	N78-24365 *	#	US-PATENT-APPL-SN-690172	c 11	N72-22245 *
US-PATENT-APPL-SN-661170	c 14	N71-24809 *	#	US-PATENT-APPL-SN-676432	c 28	N80-20402 *	#	US-PATENT-APPL-SN-690273	c 20	N85-20008 *
US-PATENT-APPL-SN-6615	c 03	N72-25019 *	#	US-PATENT-APPL-SN-676432	c 28	N81-14103 *	#	US-PATENT-APPL-SN-690273	c 20	N87-14420 *
US-PATENT-APPL-SN-6616	c 03	N72-22042 *	#	US-PATENT-APPL-SN-676433	c 52	N77-28716 *	#	US-PATENT-APPL-SN-690274	c 05	N87-14314 *
US-PATENT-APPL-SN-6617	c 15	N72-22488 *	#	US-PATENT-APPL-SN-676957	c 32	N77-18307 *	#	US-PATENT-APPL-SN-690284	c 76	N85-20906 *
US-PATENT-APPL-SN-66206	c 11	N73-13257 *	#	US-PATENT-APPL-SN-676958	c 54	N76-22914 *	#	US-PATENT-APPL-SN-690815	c 32	N77-24328 *
US-PATENT-APPL-SN-662175	c 09	N77-27131 *	#	US-PATENT-APPL-SN-676958	c 52	N81-25661 *	#	US-PATENT-APPL-SN-690816	c 37	N78-25426 *
US-PATENT-APPL-SN-662176	c 32	N77-21267 *	#	US-PATENT-APPL-SN-67730	c 15	N73-13463 *	#	US-PATENT-APPL-SN-690997	c 16	N71-24828 *
US-PATENT-APPL-SN-662181	c 25	N82-21269 *	#	US-PATENT-APPL-SN-677351	c 35	N77-32455 *	#	US-PATENT-APPL-SN-690998	c 30	N71-15990 *
US-PATENT-APPL-SN-662182	c 37	N78-27424 *	#	US-PATENT-APPL-SN-677352	c 43	N78-10529 *	#	US-PATENT-APPL-SN-691046	c 36	N77-25501 *
US-PATENT-APPL-SN-662182	c 35	N79-26372 *	#	US-PATENT-APPL-SN-677353	c 52	N78-14773 *	#	US-PATENT-APPL-SN-691256	c 35	N77-31465 *
US-PATENT-APPL-SN-662763	c 15	N73-12489 *	#	US-PATENT-APPL-SN-677475	c 32	N71-26681 *	#	US-PATENT-APPL-SN-691647	c 52	N82-11770 *
US-PATENT-APPL-SN-662828	c 11	N71-18578 *	#	US-PATENT-APPL-SN-677476	c 14	N71-17586 *	#	US-PATENT-APPL-SN-691735	c 09	N71-12520 *
US-PATENT-APPL-SN-662829	c 15	N71-15597 *	#	US-PATENT-APPL-SN-677505	c 09	N71-13521 *	#	US-PATENT-APPL-SN-691736	c 18	N71-16210 *
US-PATENT-APPL-SN-663008	c 37	N77-28486 *	#	US-PATENT-APPL-SN-677506	c 16	N71-15567 *	#	US-PATENT-APPL-SN-691737	c 07	N71-24742 *
US-PATENT-APPL-SN-663180	c 10	N71-23663 *	#	US-PATENT-APPL-SN-677508	c 16	N71-15551 *	#	US-PATENT-APPL-SN-691738	c 08	N71-18694 *
US-PATENT-APPL-SN-663840	c 27	N86-20561 *	#	US-PATENT-APPL-SN-67815	c 28	N72-22771 *	#	US-PATENT-APPL-SN-691739	c 32	N71-15974 *
US-PATENT-APPL-SN-664091	c 43	N79-17288 *	#	US-PATENT-APPL-SN-678520	c 20	N78-24275 *	#	US-PATENT-APPL-SN-691909	c 05	N71-24606 *
US-PATENT-APPL-SN-665032	c 74	N77-22950 *	#	US-PATENT-APPL-SN-678700	c 05	N71-19439 *	#	US-PATENT-APPL-SN-691936	c 26	N77-32279 *
US-PATENT-APPL-SN-665033	c 20	N77-20162 *	#	US-PATENT-APPL-SN-678813	c 33	N81-29342 *	#	US-PATENT-APPL-SN-69209	c 15	N72-21463 *
US-PATENT-APPL-SN-665209	c 14	N71-23725 *	#	US-PATENT-APPL-SN-679055	c 08	N71-24633 *	#	US-PATENT-APPL-SN-692284	c 27	N78-14164 *
US-PATENT-APPL-SN-665676	c 14	N71-19568 *	#	US-PATENT-APPL-SN-679862	c 20	N71-16340 *	#	US-PATENT-APPL-SN-692331	c 10	N71-26326 *
US-PATENT-APPL-SN-665679	c 15	N71-20395 *	#	US-PATENT-APPL-SN-679865	c 09	N71-12521 *	#	US-PATENT-APPL-SN-692332	c 07	N71-11281 *
US-PATENT-APPL-SN-665680	c 24	N71-16213 *	#	US-PATENT-APPL-SN-679980	c 44	N82-24642 *	#	US-PATENT-APPL-SN-692413	c 25	N78-25148 *
US-PATENT-APPL-SN-665681	c 15	N71-18616 *	#	US-PATENT-APPL-SN-679987	c 44	N82-24644 *	#	US-PATENT-APPL-SN-692414	c 32	N77-24331 *
US-PATENT-APPL-SN-665734	c 35	N78-18390 *	#	US-PATENT-APPL-SN-679996	c 44	N82-24643 *	#	US-PATENT-APPL-SN-692471	c 09	N71-12518 *
US-PATENT-APPL-SN-665651	c 14	N71-23698 *	#	US-PATENT-APPL-SN-680015	c 52	N79-14750 *	#	US-PATENT-APPL-SN-692636	c 27	N81-24258 *
US-PATENT-APPL-SN-665653	c 03	N71-11055 *	#	US-PATENT-APPL-SN-680048	c 44	N82-24641 *	#	US-PATENT-APPL-SN-692740	c 33	N86-20673 *
US-PATENT-APPL-SN-665654	c 33	N71-16104 *	#	US-PATENT-APPL-SN-680067	c 07	N77-27116 *	#	US-PATENT-APPL-SN-692745	c 36	N87-17026 *
US-PATENT-APPL-SN-665655	c 07	N71-24614 *	#	US-PATENT-APPL-SN-68023	c 05	N72-33096 *	#	US-PATENT-APPL-SN-692802	c 37	N87-17034 *
US-PATENT-APPL-SN-666992	c 27	N77-30236 *	#	US-PATENT-APPL-SN-68024	c 17	N72-22535 *	#	US-PATENT-APPL-SN-692875	c 37	N86-20788 *
US-PATENT-APPL-SN-667010	c 34	N77-27345 *	#	US-PATENT-APPL-SN-680938	c 74	N77-26942 *	#	US-PATENT-APPL-SN-693074	c 44	N78-24609 *
US-PATENT-APPL-SN-667625	c 31	N71-15674 *	#	US-PATENT-APPL-SN-680939	c 44	N78-10554 *	#	US-PATENT-APPL-SN-693419	c 31	N71-16222 *
US-PATENT-APPL-SN-667636	c 03	N71-20491 *	#	US-PATENT-APPL-SN-680957	c 35	N77-27366 *	#	US-PATENT-APPL-SN-693420	c 31	N71-16080 *
US-PATENT-APPL-SN-667637	c 28	N71-14044 *	#	US-PATENT-APPL-SN-680958	c 74	N78-18905 *	#	US-PATENT-APPL-SN-694246	c 15	N71-26673 *
US-PATENT-APPL-SN-667928	c 35	N77-30436 *	#	US-PATENT-APPL-SN-681000	c 34	N78-25350 *	#	US-PATENT-APPL-SN-694247	c 09	N69-21927 *
US-PATENT-APPL-SN-667929	c 35	N79-14346 *	#	US-PATENT-APPL-SN-681001	c 74	N76-22993 *	#	US-PATENT-APPL-SN-694317	c 12	N71-20436 *
US-PATENT-APPL-SN-667930	c 32	N77-28346 *	#	US-PATENT-APPL-SN-681017	c 44	N77-32583 *	#	US-PATENT-APPL-SN-694340	c 11	N71-17600 *
US-PATENT-APPL-SN-668116	c 35	N76-16391 *	#	US-PATENT-APPL-SN-681041	c 37	N86-27629 *	#	US-PATENT-APPL-SN-694345	c 10	N71-23669 *
US-PATENT-APPL-SN-668238	c 15	N71-15608 *	#	US-PATENT-APPL-SN-681096	c 44	N77-32582 *	#	US-PATENT-APPL-SN-694406	c 35	N79-10389 *
US-PATENT-APPL-SN-668241	c 15	N71-17685 *	#	US-PATENT-APPL-SN-681687	c 03	N71-20273 *	#	US-PATENT-APPL-SN-694407	c 27	N80-23452 *
US-PATENT-APPL-SN-668242	c 10	N71-27272 *	#	US-PATENT-APPL-SN-681692	c 08	N71-12506 *	#	US-PATENT-APPL-SN-694855	c 33	N77-30365 *
US-PATENT-APPL-SN-668247	c 09	N71-20445 *	#	US-PATENT-APPL-SN-681693	c 09	N71-18598 *	#	US-PATENT-APPL-SN-694888	c 23	N75-14834 *
US-PATENT-APPL-SN-668248	c 10	N71-26331 *	#	US-PATENT-APPL-SN-681942	c 18	N71-15688 *	#	US-PATENT-APPL-SN-695513	c 07	N78-25089 *
US-PATENT-APPL-SN-668249	c 03	N71-20407 *	#	US-PATENT-APPL-SN-682416	c 34	N77-24423 *	#	US-PATENT-APPL-SN-695973	c 05	N71-12343 *
US-PATENT-APPL-SN-668257	c 23	N71-16100 *	#	US-PATENT-APPL-SN-682435	c 27	N77-32308 *	#	US-PATENT-APPL-SN-696374	c 44	N80-29835 *
US-PATENT-APPL-SN-668302	c 07	N71-12390 *	#	US-PATENT-APPL-SN-683073	c 44	N81-29525 *	#	US-PATENT-APPL-SN-696679	c 38	N79-14398 *
US-PATENT-APPL-SN-668432	c 35	N86-29174 *	#	US-PATENT-APPL-SN-683073	c 44	N82-28780 *	#	US-PATENT-APPL-SN-696989	c 27	N77-30237 *
US-PATENT-APPL-SN-668751	c 06	N71-11237 *	#	US-PATENT-APPL-SN-683111	c 33	N85-20251 *	#	US-PATENT-APPL-SN-697075	c 15	N71-27184 *
US-PATENT-APPL-SN-668755	c 15	N71-17693 *	#	US-PATENT-APPL-SN-683465	c 27	N82-29451 *	#	US-PATENT-APPL-SN-697341	c 09	N71-23188 *
US-PATENT-APPL-SN-668771	c 35	N78-32397 *	#	US-PATENT-APPL-SN-683507	c 15	N71-15609 *	#	US-PATENT-APPL-SN-698239	c 33	N78-17294 *
US-PATENT-APPL-SN-668783	c 28	N80-10374 *	#	US-PATENT-APPL-SN-683606	c 09	N71-24717 *	#	US-PATENT-APPL-SN-698592	c 15	N71-18580 *
US-PATENT-APPL-SN-668968	c 09	N71-12515 *	#	US-PATENT-APPL-SN-683612	c 01	N69-39981 *	#	US-PATENT-APPL-SN-698629	c 09	N71-12516 *
US-PATENT-APPL-SN-668969	c 08	N71-19288 *	#	US-PATENT-APPL-SN-683613	c 15	N71-15610 *	#	US-PATENT-APPL-SN-698630	c 09	N71-24841 *
US-PATENT-APPL-SN-668971	c 07	N78-33101 *	#	US-PATENT-APPL-SN-684045	c 07	N80-26298 *	#	US-PATENT-APPL-SN-698641	c 74	N86-28732 *
US-PATENT-APPL-SN-669140	c 44	N86-32875 *	#	US-PATENT-APPL-SN-684083	c 09	N71-24596 *	#	US-PATENT-APPL-SN-698646	c 24	N78-15180 *
US-PATENT-APPL-SN-669336	c 15	N71-17651 *	#	US-PATENT-APPL-SN-684171	c 26	N78-18183 *	#	US-PATENT-APPL-SN-699002	c 32	N78-15323 *
US-PATENT-APPL-SN-669911	c 33	N78-17295 *	#	US-PATENT-APPL-SN-684178	c 15	N71-23812 *	#	US-PATENT-APPL-SN-699012	c 33	N78-27326 *
US-PATENT-APPL-SN-669928	c 44	N77-22607 *	#	US-PATENT-APPL-SN-684190	c 54	N86-28619 *	#	US-PATENT-APPL-SN-700040	c 18	N72-23581 *
US-PATENT-APPL-SN-670814	c 03	N71-19545 *	#	US-PATENT-APPL-SN-684192	c 54	N86-28620 *	#	US-PATENT-APPL-SN-700120	c 15	N71-20440 *
US-PATENT-APPL-SN-670829	c 28	N72-23809 *	#	US-PATENT-APPL-SN-684193	c 54	N86-28618 *	#	US-PATENT-APPL-SN-700142	c 21	N71-14159 *
US-PATENT-APPL-SN-672209	c 52	N82-22875 *	#	US-PATENT-APPL-SN-684194	c 35	N85-20300 *	#	US-PATENT-APPL-SN-700174	c 02	N71-20570 *
US-PATENT-APPL-SN-672210	c 25	N78-10224 *	#	US-PATENT-APPL-SN-684209	c 10	N71-19418 *	#	US-PATENT-APPL-SN-70032	c 11	N73-12264 *
US-PATENT-APPL-SN-672219	c 37	N80-28711 *	#	US-PATENT-APPL-SN-684807	c 75	N78-27913 *	#	US-PATENT-APPL-SN-700467	c 52	N79-14749 *
US-PATENT-APPL-SN-672219	c 37	N81-26447 *	#	US-PATENT-APPL-SN-684894	c 17	N71				

US-PATENT-APPL-SN-701654

REPORT NUMBER INDEX

US-PATENT-APPL-SN-701654	c 03	N71-11049 *	#	US-PATENT-APPL-SN-717822	c 09	N71-25866 *	US-PATENT-APPL-SN-737974	c 33	N78-18308 *	#
US-PATENT-APPL-SN-701679	c 02	N71-19287 *	#	US-PATENT-APPL-SN-718095	c 28	N70-39999 *	US-PATENT-APPL-SN-737975	c 32	N84-27952 *	#
US-PATENT-APPL-SN-701679	c 07	N73-20174 *	#	US-PATENT-APPL-SN-718137	c 44	N78-31527 *	US-PATENT-APPL-SN-738119	c 18	N71-15545 *	#
US-PATENT-APPL-SN-701732	c 24	N71-16095 *	#	US-PATENT-APPL-SN-718244	c 05	N78-32086 *	US-PATENT-APPL-SN-738218	c 37	N78-27425 *	#
US-PATENT-APPL-SN-701733	c 10	N71-24844 *	#	US-PATENT-APPL-SN-718266	c 74	N78-17867 *	US-PATENT-APPL-SN-738314	c 12	N71-17573 *	#
US-PATENT-APPL-SN-701744	c 21	N71-13958 *	#	US-PATENT-APPL-SN-718267	c 26	N77-29260 *	US-PATENT-APPL-SN-738315	c 14	N71-27334 *	#
US-PATENT-APPL-SN-701767	c 07	N71-26101 *	#	US-PATENT-APPL-SN-718268	c 44	N78-33526 *	US-PATENT-APPL-SN-738315	c 14	N72-31446 *	#
US-PATENT-APPL-SN-702115	c 71	N79-14871 *	#	US-PATENT-APPL-SN-718279	c 15	N71-26312 *	US-PATENT-APPL-SN-73834	c 15	N72-23497 *	#
US-PATENT-APPL-SN-702396	c 31	N71-16345 *	#	US-PATENT-APPL-SN-718689	c 14	N71-17655 *	US-PATENT-APPL-SN-738816	c 27	N86-20564 *	#
US-PATENT-APPL-SN-702911	c 15	N71-24875 *	#	US-PATENT-APPL-SN-718752	c 03	N71-18698 *	US-PATENT-APPL-SN-738931	c 35	N86-20756 *	#
US-PATENT-APPL-SN-702967	c 06	N71-24739 *	#	US-PATENT-APPL-SN-718769	c 14	N71-17662 *	US-PATENT-APPL-SN-739072	c 33	N75-27251 *	#
US-PATENT-APPL-SN-703107	c 37	N77-22479 *	#	US-PATENT-APPL-SN-719029	c 14	N71-27186 *	US-PATENT-APPL-SN-73922	c 14	N73-25461 *	#
US-PATENT-APPL-SN-703847	c 72	N86-33127 *	#	US-PATENT-APPL-SN-719173	c 28	N70-33331 *	US-PATENT-APPL-SN-73932	c 15	N72-22485 *	#
US-PATENT-APPL-SN-703905	c 32	N80-14281 *	#	US-PATENT-APPL-SN-719794	c 35	N86-32695 *	US-PATENT-APPL-SN-739391	c 09	N72-17156 *	#
US-PATENT-APPL-SN-704180	c 36	N78-27402 *	#	US-PATENT-APPL-SN-719796	c 24	N86-21590 *	US-PATENT-APPL-SN-739760	c 27	N86-31726 *	#
US-PATENT-APPL-SN-704224	c 18	N71-15469 *	#	US-PATENT-APPL-SN-719797	c 35	N85-29218 *	US-PATENT-APPL-SN-739788	c 37	N85-29289 *	#
US-PATENT-APPL-SN-704299	c 10	N71-26577 *	#	US-PATENT-APPL-SN-719798	c 76	N85-30934 *	US-PATENT-APPL-SN-739789	c 34	N85-29182 *	#
US-PATENT-APPL-SN-704420	c 05	N71-11202 *	#	US-PATENT-APPL-SN-719799	c 35	N86-25752 *	US-PATENT-APPL-SN-739792	c 33	N85-29150 *	#
US-PATENT-APPL-SN-704446	c 10	N71-33407 *	#	US-PATENT-APPL-SN-719869	c 31	N71-15676 *	US-PATENT-APPL-SN-739908	c 15	N78-25119 *	#
US-PATENT-APPL-SN-704465	c 07	N71-24741 *	#	US-PATENT-APPL-SN-719870	c 07	N71-26292 *	US-PATENT-APPL-SN-739909	c 37	N78-24545 *	#
US-PATENT-APPL-SN-704468	c 25	N79-28253 *	#	US-PATENT-APPL-SN-720041	c 05	N71-27234 *	US-PATENT-APPL-SN-739914	c 33	N78-10375 *	#
US-PATENT-APPL-SN-704513	c 33	N87-15414 *	#	US-PATENT-APPL-SN-720125	c 09	N71-12539 *	US-PATENT-APPL-SN-739915	c 37	N78-24544 *	#
US-PATENT-APPL-SN-704668	c 10	N71-12554 *	#	US-PATENT-APPL-SN-72024	c 09	N73-12211 *	US-PATENT-APPL-SN-739927	c 32	N71-16103 *	#
US-PATENT-APPL-SN-706013	c 33	N71-27862 *	#	US-PATENT-APPL-SN-720521	c 44	N78-12530 *	US-PATENT-APPL-SN-740153	c 28	N79-11231 *	#
US-PATENT-APPL-SN-706073	c 76	N79-11920 *	#	US-PATENT-APPL-SN-720546	c 18	N72-17532 *	US-PATENT-APPL-SN-740155	c 74	N78-27904 *	#
US-PATENT-APPL-SN-706424	c 27	N78-32256 *	#	US-PATENT-APPL-SN-721150	c 37	N78-17383 *	US-PATENT-APPL-SN-740156	c 71	N78-14867 *	#
US-PATENT-APPL-SN-706424	c 27	N80-10358 *	#	US-PATENT-APPL-SN-721607	c 18	N71-25881 *	US-PATENT-APPL-SN-740457	c 35	N78-32395 *	#
US-PATENT-APPL-SN-706424	c 27	N80-24438 *	#	US-PATENT-APPL-SN-723264	c 24	N78-10214 *	US-PATENT-APPL-SN-741056	c 07	N81-19116 *	#
US-PATENT-APPL-SN-706425	c 33	N78-10376 *	#	US-PATENT-APPL-SN-723264	c 24	N78-17149 *	US-PATENT-APPL-SN-741405	c 23	N86-21582 *	#
US-PATENT-APPL-SN-706564	c 14	N71-17587 *	#	US-PATENT-APPL-SN-723465	c 15	N72-29488 *	US-PATENT-APPL-SN-741461	c 12	N71-18603 *	#
US-PATENT-APPL-SN-706564	c 76	N85-30933 *	#	US-PATENT-APPL-SN-723465	c 37	N74-15125 *	US-PATENT-APPL-SN-741749	c 52	N79-14751 *	#
US-PATENT-APPL-SN-706564	c 76	N87-15882 *	#	US-PATENT-APPL-SN-723476	c 05	N71-12341 *	US-PATENT-APPL-SN-741824	c 07	N71-12389 *	#
US-PATENT-APPL-SN-706565	c 76	N85-30932 *	#	US-PATENT-APPL-SN-723488	c 09	N71-28691 *	US-PATENT-APPL-SN-742034	c 33	N78-10377 *	#
US-PATENT-APPL-SN-706681	c 35	N86-32696 *	#	US-PATENT-APPL-SN-723804	c 09	N71-24806 *	US-PATENT-APPL-SN-742816	c 14	N71-17656 *	#
US-PATENT-APPL-SN-706682	c 24	N86-28131 *	#	US-PATENT-APPL-SN-723805	c 10	N71-26339 *	US-PATENT-APPL-SN-743249	c 35	N77-32456 *	#
US-PATENT-APPL-SN-707124	c 44	N77-22606 *	#	US-PATENT-APPL-SN-723827	c 10	N71-27137 *	US-PATENT-APPL-SN-743429	c 07	N71-11285 *	#
US-PATENT-APPL-SN-707125	c 39	N78-16387 *	#	US-PATENT-APPL-SN-724551	c 15	N71-17696 *	US-PATENT-APPL-SN-743525	c 07	N71-28430 *	#
US-PATENT-APPL-SN-707440	c 06	N73-30102 *	#	US-PATENT-APPL-SN-724874	c 76	N78-24950 *	US-PATENT-APPL-SN-744477	c 33	N78-25319 *	#
US-PATENT-APPL-SN-707495	c 11	N71-18773 *	#	US-PATENT-APPL-SN-725405	c 15	N71-26134 *	US-PATENT-APPL-SN-744522	c 33	N77-21314 *	#
US-PATENT-APPL-SN-708658	c 33	N77-26385 *	#	US-PATENT-APPL-SN-725432	c 07	N71-24622 *	US-PATENT-APPL-SN-744573	c 44	N78-25531 *	#
US-PATENT-APPL-SN-708660	c 34	N78-27357 *	#	US-PATENT-APPL-SN-725475	c 31	N71-15643 *	US-PATENT-APPL-SN-744574	c 25	N78-14104 *	#
US-PATENT-APPL-SN-708771	c 26	N78-24333 *	#	US-PATENT-APPL-SN-725686	c 27	N87-15304 *	US-PATENT-APPL-SN-744577	c 35	N79-10391 *	#
US-PATENT-APPL-SN-708795	c 37	N77-28487 *	#	US-PATENT-APPL-SN-725689	c 37	N87-17037 *	US-PATENT-APPL-SN-744910	c 15	N71-17649 *	#
US-PATENT-APPL-SN-708796	c 36	N78-18410 *	#	US-PATENT-APPL-SN-725714	c 33	N85-30202 *	US-PATENT-APPL-SN-745337	c 28	N72-20758 *	#
US-PATENT-APPL-SN-708800	c 54	N78-17676 *	#	US-PATENT-APPL-SN-725719	c 15	N71-26243 *	US-PATENT-APPL-SN-745384	c 35	N79-11151 *	#
US-PATENT-APPL-SN-708951	c 27	N78-31232 *	#	US-PATENT-APPL-SN-725725	c 27	N87-16908 *	US-PATENT-APPL-SN-745766	c 27	N79-11403 *	#
US-PATENT-APPL-SN-709255	c 37	N86-32738 *	#	US-PATENT-APPL-SN-726898	c 12	N71-17579 *	US-PATENT-APPL-SN-745852	c 12	N71-17661 *	#
US-PATENT-APPL-SN-709257	c 32	N85-21441 *	#	US-PATENT-APPL-SN-727034	c 35	N85-29216 *	US-PATENT-APPL-SN-745973	c 36	N86-29204 *	#
US-PATENT-APPL-SN-709257	c 32	N87-14559 *	#	US-PATENT-APPL-SN-727034	c 35	N87-14669 *	US-PATENT-APPL-SN-745977	c 35	N87-14671 *	#
US-PATENT-APPL-SN-709398	c 06	N71-13461 *	#	US-PATENT-APPL-SN-727035	c 33	N86-32624 *	US-PATENT-APPL-SN-746160	c 37	N86-20797 *	#
US-PATENT-APPL-SN-709399	c 16	N71-26154 *	#	US-PATENT-APPL-SN-727444	c 31	N81-15154 *	US-PATENT-APPL-SN-746162	c 18	N86-20471 *	#
US-PATENT-APPL-SN-709415	c 44	N78-27515 *	#	US-PATENT-APPL-SN-727480	c 14	N71-17658 *	US-PATENT-APPL-SN-746269	c 12	N78-25528 *	#
US-PATENT-APPL-SN-709622	c 33	N71-24858 *	#	US-PATENT-APPL-SN-727503	c 08	N81-19130 *	US-PATENT-APPL-SN-746578	c 44	N79-26075 *	#
US-PATENT-APPL-SN-70967	c 07	N73-13149 *	#	US-PATENT-APPL-SN-727719	c 32	N85-29121 *	US-PATENT-APPL-SN-746579	c 33	N81-27397 *	#
US-PATENT-APPL-SN-70967	c 32	N74-10132 *	#	US-PATENT-APPL-SN-727838	c 33	N86-20681 *	US-PATENT-APPL-SN-746580	c 34	N78-17335 *	#
US-PATENT-APPL-SN-709849	c 52	N77-25772 *	#	US-PATENT-APPL-SN-728234	c 03	N71-12255 *	US-PATENT-APPL-SN-746809	c 35	N86-20755 *	#
US-PATENT-APPL-SN-710032	c 54	N77-30749 *	#	US-PATENT-APPL-SN-728369	c 52	N76-33835 *	US-PATENT-APPL-SN-746901	c 27	N86-20566 *	#
US-PATENT-APPL-SN-710035	c 44	N78-24608 *	#	US-PATENT-APPL-SN-729299	c 03	N72-15986 *	US-PATENT-APPL-SN-747459	c 14	N73-20478 *	#
US-PATENT-APPL-SN-710036	c 44	N78-32539 *	#	US-PATENT-APPL-SN-729704	c 37	N85-29287 *	US-PATENT-APPL-SN-747674	c 27	N80-26446 *	#
US-PATENT-APPL-SN-71047	c 09	N72-21247 *	#	US-PATENT-APPL-SN-729766	c 09	N85-28951 *	US-PATENT-APPL-SN-747675	c 37	N78-31426 *	#
US-PATENT-APPL-SN-71048	c 18	N73-12604 *	#	US-PATENT-APPL-SN-729766	c 09	N87-14355 *	US-PATENT-APPL-SN-748536	c 33	N86-20680 *	#
US-PATENT-APPL-SN-710533	c 02	N71-11043 *	#	US-PATENT-APPL-SN-729767	c 24	N85-28975 *	US-PATENT-APPL-SN-74861	c 27	N72-25699 *	#
US-PATENT-APPL-SN-710561	c 09	N71-12517 *	#	US-PATENT-APPL-SN-730045	c 32	N78-24391 *	US-PATENT-APPL-SN-74882	c 27	N73-16764 *	#
US-PATENT-APPL-SN-710562	c 31	N71-16085 *	#	US-PATENT-APPL-SN-730046	c 35	N78-32396 *	US-PATENT-APPL-SN-749121	c 07	N72-11149 *	#
US-PATENT-APPL-SN-710621	c 06	N73-27086 *	#	US-PATENT-APPL-SN-730162	c 09	N71-18599 *	US-PATENT-APPL-SN-749148	c 10	N71-19421 *	#
US-PATENT-APPL-SN-710945	c 33	N71-15568 *	#	US-PATENT-APPL-SN-730468	c 25	N79-11152 *	US-PATENT-APPL-SN-749149	c 15	N71-24897 *	#
US-PATENT-APPL-SN-710949	c 12	N71-17631 *	#	US-PATENT-APPL-SN-730700	c 07	N71-24583 *	US-PATENT-APPL-SN-749181	c 09	N71-24803 *	#
US-PATENT-APPL-SN-711898	c 18	N71-24934 *	#	US-PATENT-APPL-SN-730701	c 12	N71-18615 *	US-PATENT-APPL-SN-749320	c 14	N72-22443 *	#
US-PATENT-APPL-SN-711903	c 18	N71-26772 *	#	US-PATENT-APPL-SN-730702	c 33	N71-16356 *	US-PATENT-APPL-SN-749420	c 04	N82-16059 *	#
US-PATENT-APPL-SN-711921	c 18	N71-16105 *	#	US-PATENT-APPL-SN-730703	c 10	N71-13537 *	US-PATENT-APPL-SN-749548	c 10	N71-33129 *	#
US-PATENT-APPL-SN-711970	c 09	N71-18830 *	#	US-PATENT-APPL-SN-730733	c 28	N71-16224 *	US-PATENT-APPL-SN-750031	c 05	N73-32012 *	#
US-PATENT-APPL-SN-711971	c 09	N71-23598 *	#	US-PATENT-APPL-SN-730734	c 15	N71-17654 *	US-PATENT-APPL-SN-750235	c 25	N75-14844 *	#
US-PATENT-APPL-SN-711972	c 06	N71-24607 *	#	US-PATENT-APPL-SN-730778	c 32	N79-10264 *	US-PATENT-APPL-SN-750655	c 74	N78-32854 *	#
US-PATENT-APPL-SN-712065	c 08	N71-12503 *	#	US-PATENT-APPL-SN-731388	c 15	N71-24835 *	US-PATENT-APPL-SN-750786	c 07	N71-27341 *	#
US-PATENT-APPL-SN-712099	c 23	N71-24868 *	#	US-PATENT-APPL-SN-732321	c 33	N85-29149 *	US-PATENT-APPL-SN-750787	c 10	N71-27126 *	#
US-PATENT-APPL-SN-712270	c 52	N79-27836 *	#	US-PATENT-APPL-SN-732455	c 22	N71-28759 *	US-PATENT-APPL-SN-750792	c 37	N79-11402 *	#
US-PATENT-APPL-SN-712419	c 35	N78-14364 *	#	US-PATENT-APPL-SN-732630	c 36	N78-14380 *	US-PATENT-APPL-SN-750798	c 85	N79-17747 *	#
US-PATENT-APPL-SN-712658	c 07	N71-19773 *	#	US-PATENT-APPL-SN-73283	c 15	N72-28495 *	US-PATENT-APPL-SN-751061	c 18	N71-29040 *	#
US-PATENT-APPL-SN-712981	c 31	N78-25256 *	#	US-PATENT-APPL-SN-732917	c 14	N71-17575 *	US-PATENT-APPL-SN-751198	c 03	N71-24718 *	#
US-PATENT-APPL-SN-713027	c 37	N79-10419 *	#	US-PATENT-APPL-SN-732921	c 10	N71-26544 *	US-PATENT-APPL-SN-751215	c 22	N72-20597 *	#
US-PATENT-APPL-SN-713162	c 06	N71-26754 *	#	US-PATENT-APPL-SN-732922	c 17	N71-28747 *	US-PATENT-APPL-SN-751266	c 15	N71-33518 *	#
US-PATENT-APPL-SN-713188	c 08	N71-33110 *	#	US-PATENT-APPL-SN-733039	c 07	N72-12081 *	US-PATENT-APPL-SN-752050	c 07	N81-19115 *	#
US-PATENT-APPL-SN-713616	c 06	N71-27363 *	#	US-PATENT-APPL-SN-73310	c 09	N72-25247 *	US-PATENT-APPL-SN-752729	c 39	N71-26787 *	#
US-PATENT-APPL-SN-714051	c 33	N86-21742 *	#	US-PATENT-APPL-SN-73367	c 14	N71-15969 *	US-PATENT-APPL-SN-752748	c 05	N78-25391 *	#
US-PATENT-APPL-SN-714158	c 33	N78-13320 *	#	US-PATENT-APPL-SN-733825	c 31	N79-11246 *	US-PATENT-APPL-SN-752946	c 15	N71-29032 *	#
US-PATENT-APPL-SN-714296	c 14	N71-15604 *	#	US-PATENT-APPL-SN-73422	c 15	N72-25454 *	US-PATENT-APPL-SN-752947	c 31	N71-15689 *	#
US-PATENT-APPL-SN-714595	c 15	N71-17822 *	#	US-PATENT-APPL-SN-734366	c 27	N86-19462 *	US-PATENT-APPL-SN-753103	c 37	N80-14397 *	#
US-PATENT-APPL-SN-715485	c 74	N78-14889 *	#	US-PATENT-APPL-SN-734805	c 14	N70-34816 *	US-PATENT-APPL-SN-753452	c 0		

REPORT NUMBER INDEX

US-PATENT-APPL-SN-797059

US-PATENT-APPL-SN-754019	c 09	N71-25999 *	US-PATENT-APPL-SN-767912	c 27	N79-14214 *	US-PATENT-APPL-SN-782462	c 33	N79-17133 *
US-PATENT-APPL-SN-754020	c 12	N71-27332 *	US-PATENT-APPL-SN-768336	c 15	N71-17648 *	US-PATENT-APPL-SN-782463	c 72	N79-13826 *
US-PATENT-APPL-SN-754055	c 07	N71-24624 *	US-PATENT-APPL-SN-768470	c 09	N71-28421 *	US-PATENT-APPL-SN-782464	c 32	N79-14267 *
US-PATENT-APPL-SN-754066	c 39	N78-15512 *	US-PATENT-APPL-SN-768473	c 14	N71-17657 *	US-PATENT-APPL-SN-782480	c 33	N78-32340 *
US-PATENT-APPL-SN-75431	c 21	N72-31637 *	US-PATENT-APPL-SN-768662	c 07	N73-25160 *	US-PATENT-APPL-SN-782481	c 44	N78-32542 *
US-PATENT-APPL-SN-754706	c 37	N86-20800 *	US-PATENT-APPL-SN-768671	c 27	N86-20565 *	US-PATENT-APPL-SN-782482	c 33	N79-11315 *
US-PATENT-APPL-SN-754707	c 33	N86-20679 *	US-PATENT-APPL-SN-768795	c 33	N79-10339 *	US-PATENT-APPL-SN-782544	c 14	N71-27325 *
US-PATENT-APPL-SN-755288	c 34	N86-20721 *	US-PATENT-APPL-SN-768842	c 46	N74-23068 *	US-PATENT-APPL-SN-782693	c 33	N79-10337 *
US-PATENT-APPL-SN-755310	c 25	N78-15210 *	US-PATENT-APPL-SN-768899	c 09	N72-22201 *	US-PATENT-APPL-SN-782955	c 07	N71-33108 *
US-PATENT-APPL-SN-755323	c 74	N79-11865 *	US-PATENT-APPL-SN-769148	c 52	N79-10724 *	US-PATENT-APPL-SN-782956	c 10	N71-25865 *
US-PATENT-APPL-SN-756260	c 23	N71-26722 *	US-PATENT-APPL-SN-769149	c 33	N78-32339 *	US-PATENT-APPL-SN-783374	c 15	N71-27147 *
US-PATENT-APPL-SN-756266	c 15	N71-26145 *	US-PATENT-APPL-SN-769592	c 15	N72-16330 *	US-PATENT-APPL-SN-783375	c 07	N71-24621 *
US-PATENT-APPL-SN-756381	c 06	N71-25929 *	US-PATENT-APPL-SN-769665	c 15	N72-11387 *	US-PATENT-APPL-SN-783377	c 05	N71-28619 *
US-PATENT-APPL-SN-756511	c 09	N71-27016 *	US-PATENT-APPL-SN-769788	c 07	N71-11300 *	US-PATENT-APPL-SN-783378	c 07	N71-19436 *
US-PATENT-APPL-SN-756834	c 15	N72-21466 *	US-PATENT-APPL-SN-770203	c 05	N71-11195 *	US-PATENT-APPL-SN-783379	c 15	N71-17653 *
US-PATENT-APPL-SN-757017	c 35	N77-21393 *	US-PATENT-APPL-SN-770209	c 08	N71-27057 *	US-PATENT-APPL-SN-783886	c 37	N87-17035 *
US-PATENT-APPL-SN-757625	c 09	N71-26701 *	US-PATENT-APPL-SN-770371	c 15	N71-24599 *	US-PATENT-APPL-SN-783887	c 36	N86-20779 *
US-PATENT-APPL-SN-757857	c 10	N71-25900 *	US-PATENT-APPL-SN-770398	c 06	N71-27254 *	US-PATENT-APPL-SN-783888	c 37	N86-19613 *
US-PATENT-APPL-SN-757861	c 05	N71-11194 *	US-PATENT-APPL-SN-770398	c 06	N72-27144 *	US-PATENT-APPL-SN-783890	c 74	N87-17493 *
US-PATENT-APPL-SN-757875	c 09	N71-24805 *	US-PATENT-APPL-SN-770417	c 06	N73-33076 *	US-PATENT-APPL-SN-784055	c 15	N72-11390 *
US-PATENT-APPL-SN-758082	c 15	N71-17805 *	US-PATENT-APPL-SN-770425	c 06	N72-20121 *	US-PATENT-APPL-SN-784521	c 14	N71-15620 *
US-PATENT-APPL-SN-758390	c 28	N71-26642 *	US-PATENT-APPL-SN-770869	c 44	N78-25527 *	US-PATENT-APPL-SN-784544	c 15	N72-12408 *
US-PATENT-APPL-SN-758540	c 28	N73-27699 *	US-PATENT-APPL-SN-770920	c 37	N86-32736 *	US-PATENT-APPL-SN-785078	c 03	N72-27053 *
US-PATENT-APPL-SN-758721	c 52	N79-18580 *	US-PATENT-APPL-SN-771216	c 14	N72-17329 *	US-PATENT-APPL-SN-785257	c 44	N79-14526 *
US-PATENT-APPL-SN-758942	c 27	N71-14090 *	US-PATENT-APPL-SN-771245	c 27	N81-14076 *	US-PATENT-APPL-SN-785279	c 27	N81-14077 *
US-PATENT-APPL-SN-759220	c 27	N78-17214 *	US-PATENT-APPL-SN-771523	c 10	N71-18772 *	US-PATENT-APPL-SN-785546	c 10	N71-25882 *
US-PATENT-APPL-SN-759256	c 07	N71-27233 *	US-PATENT-APPL-SN-771530	c 09	N72-12136 *	US-PATENT-APPL-SN-785595	c 10	N71-24861 *
US-PATENT-APPL-SN-759457	c 33	N71-16357 *	US-PATENT-APPL-SN-771537	c 37	N86-20806 *	US-PATENT-APPL-SN-785611	c 15	N71-24600 *
US-PATENT-APPL-SN-759460	c 09	N71-24597 *	US-PATENT-APPL-SN-771538	c 24	N86-25416 *	US-PATENT-APPL-SN-785613	c 05	N72-25119 *
US-PATENT-APPL-SN-759665	c 14	N71-18481 *	US-PATENT-APPL-SN-77169	c 14	N72-21408 *	US-PATENT-APPL-SN-785615	c 05	N72-20098 *
US-PATENT-APPL-SN-759965	c 52	N79-26771 *	US-PATENT-APPL-SN-771759	c 09	N71-29008 *	US-PATENT-APPL-SN-785620	c 21	N71-27324 *
US-PATENT-APPL-SN-760057	c 44	N79-14527 *	US-PATENT-APPL-SN-771760	c 10	N71-25917 *	US-PATENT-APPL-SN-785710	c 05	N71-24730 *
US-PATENT-APPL-SN-760114	c 28	N72-11709 *	US-PATENT-APPL-SN-771803	c 07	N71-12391 *	US-PATENT-APPL-SN-785780	c 18	N71-28729 *
US-PATENT-APPL-SN-760374	c 27	N87-16909 *	US-PATENT-APPL-SN-771937	c 10	N71-24862 *	US-PATENT-APPL-SN-786322	c 32	N79-20296 *
US-PATENT-APPL-SN-760378	c 37	N86-32737 *	US-PATENT-APPL-SN-772006	c 17	N71-33408 *	US-PATENT-APPL-SN-7867	c 14	N72-17324 *
US-PATENT-APPL-SN-760389	c 09	N71-24618 *	US-PATENT-APPL-SN-772165	c 74	N79-13855 *	US-PATENT-APPL-SN-7868	c 10	N72-17173 *
US-PATENT-APPL-SN-760771	c 44	N79-14528 *	US-PATENT-APPL-SN-772167	c 25	N79-22235 *	US-PATENT-APPL-SN-786913	c 27	N79-12221 *
US-PATENT-APPL-SN-760790	c 36	N86-20777 *	US-PATENT-APPL-SN-772168	c 37	N79-20377 *	US-PATENT-APPL-SN-78703	c 15	N73-20514 *
US-PATENT-APPL-SN-760791	c 27	N87-14515 *	US-PATENT-APPL-SN-77220	c 14	N72-27409 *	US-PATENT-APPL-SN-78704	c 05	N72-25121 *
US-PATENT-APPL-SN-760797	c 27	N87-16907 *	US-PATENT-APPL-SN-77221	c 08	N72-25210 *	US-PATENT-APPL-SN-78717	c 05	N73-13114 *
US-PATENT-APPL-SN-760799	c 54	N86-21147 *	US-PATENT-APPL-SN-772434	c 52	N80-14687 *	US-PATENT-APPL-SN-787393	c 23	N71-26206 *
US-PATENT-APPL-SN-760809	c 24	N78-24290 *	US-PATENT-APPL-SN-77251	c 25	N70-41628 *	US-PATENT-APPL-SN-787410	c 15	N71-19213 *
US-PATENT-APPL-SN-760810	c 26	N78-32229 *	US-PATENT-APPL-SN-77252	c 02	N70-37939 *	US-PATENT-APPL-SN-78766	c 05	N74-10907 *
US-PATENT-APPL-SN-760819	c 14	N70-34820 *	US-PATENT-APPL-SN-77256	c 15	N70-33323 *	US-PATENT-APPL-SN-787846	c 23	N71-33229 *
US-PATENT-APPL-SN-760927	c 26	N71-25490 *	US-PATENT-APPL-SN-773029	c 09	N71-24893 *	US-PATENT-APPL-SN-787906	c 03	N71-26084 *
US-PATENT-APPL-SN-760928	c 15	N71-28582 *	US-PATENT-APPL-SN-773072	c 10	N72-28241 *	US-PATENT-APPL-SN-787911	c 03	N71-28579 *
US-PATENT-APPL-SN-761007	c 18	N71-26155 *	US-PATENT-APPL-SN-773530	c 25	N75-29192 *	US-PATENT-APPL-SN-788045	c 24	N79-25142 *
US-PATENT-APPL-SN-761235	c 27	N86-32569 *	US-PATENT-APPL-SN-774151	c 15	N71-17692 *	US-PATENT-APPL-SN-788705	c 35	N78-24515 *
US-PATENT-APPL-SN-761252	c 27	N80-32515 *	US-PATENT-APPL-SN-774265	c 10	N71-27365 *	US-PATENT-APPL-SN-789043	c 10	N71-26531 *
US-PATENT-APPL-SN-761404	c 09	N71-12526 *	US-PATENT-APPL-SN-774266	c 15	N71-26185 *	US-PATENT-APPL-SN-789044	c 14	N72-20381 *
US-PATENT-APPL-SN-762362	c 44	N79-24433 *	US-PATENT-APPL-SN-774384	c 32	N79-10262 *	US-PATENT-APPL-SN-789045	c 15	N72-22489 *
US-PATENT-APPL-SN-762363	c 44	N79-24432 *	US-PATENT-APPL-SN-774691	c 10	N72-31273 *	US-PATENT-APPL-SN-789266	c 71	N86-20087 *
US-PATENT-APPL-SN-762438	c 12	N71-17569 *	US-PATENT-APPL-SN-774733	c 14	N72-24477 *	US-PATENT-APPL-SN-789278	c 15	N71-24694 *
US-PATENT-APPL-SN-762935	c 14	N71-29041 *	US-PATENT-APPL-SN-775072	c 16	N71-24831 *	US-PATENT-APPL-SN-789713	c 28	N86-23744 *
US-PATENT-APPL-SN-762936	c 31	N69-27499 *	US-PATENT-APPL-SN-775239	c 37	N79-14382 *	US-PATENT-APPL-SN-789903	c 07	N71-28429 *
US-PATENT-APPL-SN-762956	c 14	N71-26627 *	US-PATENT-APPL-SN-775870	c 09	N71-24800 *	US-PATENT-APPL-SN-790420	c 09	N71-24595 *
US-PATENT-APPL-SN-762957	c 08	N71-27210 *	US-PATENT-APPL-SN-775870	c 09	N72-22196 *	US-PATENT-APPL-SN-790594	c 36	N86-20778 *
US-PATENT-APPL-SN-763040	c 14	N72-28438 *	US-PATENT-APPL-SN-775877	c 02	N71-11039 *	US-PATENT-APPL-SN-790596	c 37	N86-19612 *
US-PATENT-APPL-SN-763355	c 06	N71-28620 *	US-PATENT-APPL-SN-775966	c 02	N71-11037 *	US-PATENT-APPL-SN-790637	c 44	N78-25529 *
US-PATENT-APPL-SN-763684	c 15	N72-16329 *	US-PATENT-APPL-SN-775990	c 17	N86-20466 *	US-PATENT-APPL-SN-791267	c 23	N72-17747 *
US-PATENT-APPL-SN-763685	c 15	N71-24910 *	US-PATENT-APPL-SN-776029	c 07	N79-10057 *	US-PATENT-APPL-SN-791268	c 33	N72-17947 *
US-PATENT-APPL-SN-763705	c 09	N71-18720 *	US-PATENT-APPL-SN-776146	c 44	N79-17313 *	US-PATENT-APPL-SN-791288	c 28	N71-25213 *
US-PATENT-APPL-SN-763706	c 15	N71-24896 *	US-PATENT-APPL-SN-776146	c 25	N82-21268 *	US-PATENT-APPL-SN-791364	c 14	N72-17328 *
US-PATENT-APPL-SN-763729	c 12	N71-26546 *	US-PATENT-APPL-SN-776185	c 03	N72-22041 *	US-PATENT-APPL-SN-791693	c 05	N71-11203 *
US-PATENT-APPL-SN-763743	c 14	N72-21409 *	US-PATENT-APPL-SN-777764	c 15	N71-27214 *	US-PATENT-APPL-SN-791888	c 23	N71-24725 *
US-PATENT-APPL-SN-763744	c 10	N72-27246 *	US-PATENT-APPL-SN-777765	c 15	N71-29018 *	US-PATENT-APPL-SN-792067	c 24	N78-17150 *
US-PATENT-APPL-SN-763753	c 43	N78-14452 *	US-PATENT-APPL-SN-777765	c 14	N73-28487 *	US-PATENT-APPL-SN-792068	c 51	N79-10693 *
US-PATENT-APPL-SN-763868	c 15	N71-24679 *	US-PATENT-APPL-SN-777766	c 31	N71-16221 *	US-PATENT-APPL-SN-792069	c 37	N79-10418 *
US-PATENT-APPL-SN-763869	c 17	N71-16393 *	US-PATENT-APPL-SN-777818	c 09	N71-27364 *	US-PATENT-APPL-SN-792623	c 14	N72-23457 *
US-PATENT-APPL-SN-764245	c 24	N80-33482 *	US-PATENT-APPL-SN-777786	c 14	N72-27412 *	US-PATENT-APPL-SN-793006	c 52	N86-19885 *
US-PATENT-APPL-SN-764252	c 14	N71-25901 *	US-PATENT-APPL-SN-777983	c 32	N79-24210 *	US-PATENT-APPL-SN-793657	c 17	N72-28536 *
US-PATENT-APPL-SN-764470	c 16	N71-28554 *	US-PATENT-APPL-SN-778195	c 24	N79-16915 *	US-PATENT-APPL-SN-793770	c 25	N71-15562 *
US-PATENT-APPL-SN-764805	c 37	N87-17036 *	US-PATENT-APPL-SN-77869	c 37	N79-21345 *	US-PATENT-APPL-SN-793771	c 14	N72-22440 *
US-PATENT-APPL-SN-764812	c 10	N71-19468 *	US-PATENT-APPL-SN-779024	c 10	N71-27271 *	US-PATENT-APPL-SN-793772	c 10	N71-18722 *
US-PATENT-APPL-SN-764812	c 76	N86-21401 *	US-PATENT-APPL-SN-779025	c 09	N72-23171 *	US-PATENT-APPL-SN-793823	c 09	N71-33109 *
US-PATENT-APPL-SN-764823	c 33	N78-17296 *	US-PATENT-APPL-SN-779160	c 14	N72-16282 *	US-PATENT-APPL-SN-794530	c 15	N72-11386 *
US-PATENT-APPL-SN-765123	c 31	N71-15687 *	US-PATENT-APPL-SN-779169	c 09	N71-28618 *	US-PATENT-APPL-SN-794968	c 15	N71-27146 *
US-PATENT-APPL-SN-765138	c 44	N79-10513 *	US-PATENT-APPL-SN-779415	c 60	N79-20751 *	US-PATENT-APPL-SN-795182	c 07	N71-24840 *
US-PATENT-APPL-SN-765139	c 44	N78-31526 *	US-PATENT-APPL-SN-779428	c 34	N78-25351 *	US-PATENT-APPL-SN-795217	c 33	N71-25351 *
US-PATENT-APPL-SN-765165	c 32	N79-11264 *	US-PATENT-APPL-SN-779429	c 08	N79-14108 *	US-PATENT-APPL-SN-795805	c 08	N86-20396 *
US-PATENT-APPL-SN-765167	c 32	N79-10263 *	US-PATENT-APPL-SN-779742	c 18	N86-19344 *	US-PATENT-APPL-SN-795945	c 37	N86-21859 *
US-PATENT-APPL-SN-765264	c 02	N71-29128 *	US-PATENT-APPL-SN-779744	c 74	N86-20129 *	US-PATENT-APPL-SN-796053	c 37	N86-19614 *
US-PATENT-APPL-SN-765268	c 03	N71-11057 *	US-PATENT-APPL-SN-779847	c 15	N71-27091 *	US-PATENT-APPL-SN-796256	c 52	N80-18691 *
US-PATENT-APPL-SN-765979	c 89	N86-22459 *	US-PATENT-APPL-SN-779871	c 33	N79-20314 *	US-PATENT-APPL-SN-796258	c 52	N82-22875 *
US-PATENT-APPL-SN-765980	c 27	N86-27451 *	US-PATENT-APPL-SN-779883	c 27	N79-18052 *	US-PATENT-APPL-SN-796263	c 27	N79-28307 *
US-PATENT-APPL-SN-765981	c 74	N86-20128 *	US-PATENT-APPL-SN-780064	c 15	N71-27372 *	US-PATENT-APPL-SN-796358	c 05	N72-11085 *
US-PATENT-APPL-SN-765991	c 35	N86-26598 *	US-PATENT-APPL-SN-780065	c 12	N71-28741 *	US-PATENT-APPL-SN-796360	c 15	N71-24696 *
US-PATENT-APPL-SN-766170	c 07	N71-24625 *	US-PATENT-APPL-SN-780569	c 54	N78-31736 *	US-PATENT-APPL-SN-796370	c 10	N71-27366 *
US-PATENT-APPL-SN-766244	c 15	N71-26721 *	US-PATENT-APPL-SN-78065	c 08	N72-22162 *	US-PATENT-APPL-SN-796405	c 14	N71-27185 *
US-PATENT-APPL-SN-766245	c 14	N71-27215 *	US-PATENT-APPL-SN-780728	c 32	N78-31321 *	US-PATENT-APPL-SN-796685	c 26	N72-28762 *
US-PATENT-APPL-SN-766697	c 09	N71-33519 *	US-PATENT-APPL-SN-780729	c 33	N79-22373 *	US-PATENT-APPL-SN-796690	c 07	N72-21119 *
US-PATENT-APPL-SN-7668	c 15	N71-26611 *	US-PATENT-APPL-SN-780873	c 32	N81-27341 *	US-PATENT-APPL-SN-796691	c 10	N71-26334 *
US-PATENT-APPL-SN-766999	c 33	N80-23559 *	US-PATENT-APPL-SN-780874	c 35	N78-28411 *	US-PATENT-APPL-SN-797056	c 15	N71-25975 *
US-PATENT-APPL-SN-7669								

US-PATENT-APPL-SN-797210	c 28	N78-31255 *	#	US-PATENT-APPL-SN-815106	c 60	N86-24225 *	#	US-PATENT-APPL-SN-835058	c 21	N72-22619 *	#
US-PATENT-APPL-SN-797219	c 03	N71-33409 *	#	US-PATENT-APPL-SN-815366	c 14	N71-28994 *	#	US-PATENT-APPL-SN-835059	c 09	N71-26133 *	#
US-PATENT-APPL-SN-797794	c 07	N71-12396 *	#	US-PATENT-APPL-SN-815367	c 14	N71-28863 *	#	US-PATENT-APPL-SN-835060	c 02	N71-26110 *	#
US-PATENT-APPL-SN-797795	c 07	N71-27191 *	#	US-PATENT-APPL-SN-815760	c 15	N71-27068 *	#	US-PATENT-APPL-SN-835146	c 15	N70-33264 *	#
US-PATENT-APPL-SN-797796	c 28	N71-14058 *	#	US-PATENT-APPL-SN-816733	c 15	N71-27084 *	#	US-PATENT-APPL-SN-835152	c 28	N70-38199 *	#
US-PATENT-APPL-SN-798277	c 23	N71-26654 *	#	US-PATENT-APPL-SN-816988	c 14	N71-26199 *	#	US-PATENT-APPL-SN-835153	c 31	N71-17680 *	#
US-PATENT-APPL-SN-798976	c 52	N81-25661 *	#	US-PATENT-APPL-SN-817413	c 33	N79-12321 *	#	US-PATENT-APPL-SN-835419	c 33	N80-18285 *	#
US-PATENT-APPL-SN-799013	c 09	N71-28468 *	#	US-PATENT-APPL-SN-817415	c 74	N79-20857 *	#	US-PATENT-APPL-SN-835544	c 33	N79-14305 *	#
US-PATENT-APPL-SN-799023	c 37	N79-10421 *	#	US-PATENT-APPL-SN-817481	c 09	N72-11225 *	#	US-PATENT-APPL-SN-835628	c 35	N79-14347 *	#
US-PATENT-APPL-SN-799024	c 24	N78-17149 *	#	US-PATENT-APPL-SN-817482	c 10	N71-27338 *	#	US-PATENT-APPL-SN-836280	c 14	N73-14428 *	#
US-PATENT-APPL-SN-799025	c 32	N80-29539 *	#	US-PATENT-APPL-SN-817569	c 06	N69-31244 *	#	US-PATENT-APPL-SN-836280	c 35	N75-25122 *	#
US-PATENT-APPL-SN-799026	c 44	N79-11468 *	#	US-PATENT-APPL-SN-818349	c 21	N71-19212 *	#	US-PATENT-APPL-SN-836367	c 09	N71-24804 *	#
US-PATENT-APPL-SN-799353	c 09	N71-27232 *	#	US-PATENT-APPL-SN-818916	c 05	N79-17847 *	#	US-PATENT-APPL-SN-837259	c 54	N79-24652 *	#
US-PATENT-APPL-SN-799832	c 33	N79-15245 *	#	US-PATENT-APPL-SN-818917	c 32	N79-13214 *	#	US-PATENT-APPL-SN-837260	c 37	N78-27423 *	#
US-PATENT-APPL-SN-800193	c 37	N87-17038 *	#	US-PATENT-APPL-SN-819029	c 20	N82-18314 *	#	US-PATENT-APPL-SN-837377	c 15	N71-26148 *	#
US-PATENT-APPL-SN-800204	c 06	N72-17094 *	#	US-PATENT-APPL-SN-819599	c 15	N71-19214 *	#	US-PATENT-APPL-SN-837378	c 15	N71-24865 *	#
US-PATENT-APPL-SN-800229	c 14	N73-32320 *	#	US-PATENT-APPL-SN-819898	c 30	N72-17873 *	#	US-PATENT-APPL-SN-837513	c 44	N81-29525 *	#
US-PATENT-APPL-SN-800229	c 74	N74-20008 *	#	US-PATENT-APPL-SN-82003	c 15	N70-33180 *	#	US-PATENT-APPL-SN-837513	c 44	N82-28780 *	#
US-PATENT-APPL-SN-800973	c 16	N71-24832 *	#	US-PATENT-APPL-SN-820453	c 03	N72-24037 *	#	US-PATENT-APPL-SN-837794	c 28	N80-20402 *	#
US-PATENT-APPL-SN-801290	c 37	N79-18318 *	#	US-PATENT-APPL-SN-820498	c 89	N79-10969 *	#	US-PATENT-APPL-SN-837794	c 28	N81-14103 *	#
US-PATENT-APPL-SN-801290	c 37	N80-26658 *	#	US-PATENT-APPL-SN-820499	c 76	N79-23798 *	#	US-PATENT-APPL-SN-837795	c 36	N80-14384 *	#
US-PATENT-APPL-SN-801290	c 37	N82-19540 *	#	US-PATENT-APPL-SN-8204	c 31	N70-37981 *	#	US-PATENT-APPL-SN-837796	c 35	N79-14345 *	#
US-PATENT-APPL-SN-801312	c 16	N71-15565 *	#	US-PATENT-APPL-SN-820963	c 07	N71-19854 *	#	US-PATENT-APPL-SN-837825	c 15	N71-27006 *	#
US-PATENT-APPL-SN-801336	c 02	N71-13422 *	#	US-PATENT-APPL-SN-820964	c 15	N71-28740 *	#	US-PATENT-APPL-SN-837830	c 02	N71-27088 *	#
US-PATENT-APPL-SN-801432	c 33	N78-32341 *	#	US-PATENT-APPL-SN-820965	c 09	N71-13486 *	#	US-PATENT-APPL-SN-83816	c 44	N74-14784 *	#
US-PATENT-APPL-SN-801452	c 44	N79-11471 *	#	US-PATENT-APPL-SN-821586	c 26	N71-14354 *	#	US-PATENT-APPL-SN-838278	c 60	N74-20836 *	#
US-PATENT-APPL-SN-801660	c 14	N71-26672 *	#	US-PATENT-APPL-SN-821681	c 35	N78-27384 *	#	US-PATENT-APPL-SN-838308	c 52	N80-27072 *	#
US-PATENT-APPL-SN-802769	c 76	N86-25269 *	#	US-PATENT-APPL-SN-822039	c 06	N72-25149 *	#	US-PATENT-APPL-SN-838336	c 44	N79-11470 *	#
US-PATENT-APPL-SN-802812	c 10	N72-22235 *	#	US-PATENT-APPL-SN-822088	c 15	N71-27135 *	#	US-PATENT-APPL-SN-838337	c 31	N79-17029 *	#
US-PATENT-APPL-SN-802813	c 15	N72-22487 *	#	US-PATENT-APPL-SN-822089	c 23	N72-23695 *	#	US-PATENT-APPL-SN-838630	c 14	N71-28993 *	#
US-PATENT-APPL-SN-802816	c 31	N71-16346 *	#	US-PATENT-APPL-SN-822090	c 16	N71-27183 *	#	US-PATENT-APPL-SN-838648	c 33	N86-24908 *	#
US-PATENT-APPL-SN-802818	c 07	N71-29065 *	#	US-PATENT-APPL-SN-822518	c 09	N71-13522 *	#	US-PATENT-APPL-SN-838649	c 34	N86-26575 *	#
US-PATENT-APPL-SN-802820	c 10	N71-13545 *	#	US-PATENT-APPL-SN-822519	c 14	N71-28992 *	#	US-PATENT-APPL-SN-838654	c 27	N86-24840 *	#
US-PATENT-APPL-SN-802948	c 31	N71-33160 *	#	US-PATENT-APPL-SN-822534	c 09	N72-11224 *	#	US-PATENT-APPL-SN-838655	c 27	N86-25477 *	#
US-PATENT-APPL-SN-802972	c 09	N71-26678 *	#	US-PATENT-APPL-SN-82279	c 03	N76-32140 *	#	US-PATENT-APPL-SN-839934	c 07	N72-20140 *	#
US-PATENT-APPL-SN-80368	c 09	N73-20231 *	#	US-PATENT-APPL-SN-82280	c 09	N72-25262 *	#	US-PATENT-APPL-SN-839935	c 15	N71-24895 *	#
US-PATENT-APPL-SN-80369	c 09	N72-22198 *	#	US-PATENT-APPL-SN-823061	c 44	N79-23481 *	#	US-PATENT-APPL-SN-839941	c 07	N71-26181 *	#
US-PATENT-APPL-SN-803822	c 26	N79-22271 *	#	US-PATENT-APPL-SN-823566	c 74	N79-14891 *	#	US-PATENT-APPL-SN-839963	c 27	N79-33316 *	#
US-PATENT-APPL-SN-803822	c 26	N80-32484 *	#	US-PATENT-APPL-SN-823712	c 44	N86-21982 *	#	US-PATENT-APPL-SN-839963	c 27	N81-14078 *	#
US-PATENT-APPL-SN-803823	c 44	N79-11467 *	#	US-PATENT-APPL-SN-823713	c 26	N86-32556 *	#	US-PATENT-APPL-SN-839994	c 28	N71-28915 *	#
US-PATENT-APPL-SN-804035	c 35	N79-14348 *	#	US-PATENT-APPL-SN-824024	c 44	N79-18443 *	#	US-PATENT-APPL-SN-84002	c 08	N73-20217 *	#
US-PATENT-APPL-SN-804039	c 31	N86-23750 *	#	US-PATENT-APPL-SN-824042	c 23	N71-29123 *	#	US-PATENT-APPL-SN-840176	c 28	N71-27095 *	#
US-PATENT-APPL-SN-804172	c 28	N71-26781 *	#	US-PATENT-APPL-SN-824628	c 34	N78-17337 *	#	US-PATENT-APPL-SN-840308	c 07	N71-33613 *	#
US-PATENT-APPL-SN-804196	c 33	N86-24909 *	#	US-PATENT-APPL-SN-824755	c 09	N70-33182 *	#	US-PATENT-APPL-SN-840359	c 23	N71-29125 *	#
US-PATENT-APPL-SN-805010	c 35	N86-23899 *	#	US-PATENT-APPL-SN-825253	c 16	N69-31343 *	#	US-PATENT-APPL-SN-840816	c 27	N86-25478 *	#
US-PATENT-APPL-SN-805011	c 54	N86-22114 *	#	US-PATENT-APPL-SN-825258	c 26	N72-21701 *	#	US-PATENT-APPL-SN-840825	c 36	N86-24977 *	#
US-PATENT-APPL-SN-805298	c 10	N71-25899 *	#	US-PATENT-APPL-SN-825259	c 14	N71-26788 *	#	US-PATENT-APPL-SN-840870	c 15	N71-26189 *	#
US-PATENT-APPL-SN-805405	c 14	N71-27323 *	#	US-PATENT-APPL-SN-825489	c 27	N81-15104 *	#	US-PATENT-APPL-SN-840900	c 26	N86-24814 *	#
US-PATENT-APPL-SN-805406	c 07	N71-24613 *	#	US-PATENT-APPL-SN-826202	c 37	N79-28551 *	#	US-PATENT-APPL-SN-840983	c 05	N70-33285 *	#
US-PATENT-APPL-SN-805549	c 35	N79-16246 *	#	US-PATENT-APPL-SN-826204	c 37	N79-10420 *	#	US-PATENT-APPL-SN-841278	c 33	N77-21316 *	#
US-PATENT-APPL-SN-806149	c 27	N71-16223 *	#	US-PATENT-APPL-SN-826326	c 46	N79-22679 *	#	US-PATENT-APPL-SN-841845	c 14	N73-32317 *	#
US-PATENT-APPL-SN-806226	c 14	N71-27407 *	#	US-PATENT-APPL-SN-826547	c 28	N72-22772 *	#	US-PATENT-APPL-SN-84212	c 24	N74-17283 *	#
US-PATENT-APPL-SN-806440	c 51	N79-10694 *	#	US-PATENT-APPL-SN-826648	c 12	N72-25292 *	#	US-PATENT-APPL-SN-842170	c 11	N70-33278 *	#
US-PATENT-APPL-SN-806572	c 27	N86-21686 *	#	US-PATENT-APPL-SN-826649	c 08	N73-30135 *	#	US-PATENT-APPL-SN-842171	c 11	N70-33329 *	#
US-PATENT-APPL-SN-807597	c 52	N80-16725 *	#	US-PATENT-APPL-SN-826558	c 30	N70-40309 *	#	US-PATENT-APPL-SN-84289	c 15	N73-14469 *	#
US-PATENT-APPL-SN-807703	c 37	N78-27424 *	#	US-PATENT-APPL-SN-827464	c 74	N79-34011 *	#	US-PATENT-APPL-SN-84290	c 05	N73-20137 *	#
US-PATENT-APPL-SN-807762	c 27	N78-31233 *	#	US-PATENT-APPL-SN-827579	c 15	N71-24984 *	#	US-PATENT-APPL-SN-843022	c 11	N70-33287 *	#
US-PATENT-APPL-SN-808192	c 15	N71-27432 *	#	US-PATENT-APPL-SN-827597	c 26	N69-33482 *	#	US-PATENT-APPL-SN-843032	c 28	N70-41818 *	#
US-PATENT-APPL-SN-808193	c 31	N71-26537 *	#	US-PATENT-APPL-SN-828262	c 37	N79-14383 *	#	US-PATENT-APPL-SN-843090	c 27	N79-22300 *	#
US-PATENT-APPL-SN-808462	c 10	N71-27136 *	#	US-PATENT-APPL-SN-828909	c 28	N71-27094 *	#	US-PATENT-APPL-SN-843251	c 03	N72-11062 *	#
US-PATENT-APPL-SN-808510	c 33	N78-32338 *	#	US-PATENT-APPL-SN-828920	c 35	N74-22095 *	#	US-PATENT-APPL-SN-843308	c 32	N79-14268 *	#
US-PATENT-APPL-SN-808576	c 15	N71-27754 *	#	US-PATENT-APPL-SN-828921	c 09	N71-27001 *	#	US-PATENT-APPL-SN-844225	c 05	N72-25120 *	#
US-PATENT-APPL-SN-808577	c 32	N71-25360 *	#	US-PATENT-APPL-SN-828983	c 03	N71-24719 *	#	US-PATENT-APPL-SN-844243	c 37	N75-29426 *	#
US-PATENT-APPL-SN-808822	c 14	N73-16483 *	#	US-PATENT-APPL-SN-828984	c 08	N71-29033 *	#	US-PATENT-APPL-SN-844315	c 35	N77-21392 *	#
US-PATENT-APPL-SN-808922	c 28	N71-27585 *	#	US-PATENT-APPL-SN-829042	c 35	N86-32700 *	#	US-PATENT-APPL-SN-844344	c 24	N79-14156 *	#
US-PATENT-APPL-SN-808980	c 44	N79-17314 *	#	US-PATENT-APPL-SN-829314	c 09	N79-31228 *	#	US-PATENT-APPL-SN-844346	c 44	N79-11472 *	#
US-PATENT-APPL-SN-808980	c 44	N80-14474 *	#	US-PATENT-APPL-SN-829315	c 34	N79-20336 *	#	US-PATENT-APPL-SN-844355	c 03	N72-26031 *	#
US-PATENT-APPL-SN-808975	c 44	N87-17399 *	#	US-PATENT-APPL-SN-829316	c 18	N79-11108 *	#	US-PATENT-APPL-SN-845365	c 09	N71-13518 *	#
US-PATENT-APPL-SN-810575	c 15	N71-27169 *	#	US-PATENT-APPL-SN-829317	c 52	N80-18690 *	#	US-PATENT-APPL-SN-845584	c 27	N73-22710 *	#
US-PATENT-APPL-SN-810576	c 15	N73-12492 *	#	US-PATENT-APPL-SN-829318	c 52	N80-14684 *	#	US-PATENT-APPL-SN-845807	c 15	N72-11391 *	#
US-PATENT-APPL-SN-810576	c 25	N82-21269 *	#	US-PATENT-APPL-SN-829390	c 44	N79-11469 *	#	US-PATENT-APPL-SN-845971	c 11	N71-28629 *	#
US-PATENT-APPL-SN-810579	c 09	N72-22203 *	#	US-PATENT-APPL-SN-829390	c 44	N80-16452 *	#	US-PATENT-APPL-SN-845972	c 09	N70-11148 *	#
US-PATENT-APPL-SN-810579	c 33	N74-22864 *	#	US-PATENT-APPL-SN-829825	c 03	N71-24681 *	#	US-PATENT-APPL-SN-845973	c 11	N71-24985 *	#
US-PATENT-APPL-SN-810815	c 06	N72-22107 *	#	US-PATENT-APPL-SN-830272	c 33	N81-29342 *	#	US-PATENT-APPL-SN-845974	c 33	N71-25353 *	#
US-PATENT-APPL-SN-810895	c 13	N72-25323 *	#	US-PATENT-APPL-SN-830366	c 16	N72-13437 *	#	US-PATENT-APPL-SN-845990	c 14	N71-27005 *	#
US-PATENT-APPL-SN-81096	c 14	N73-14427 *	#	US-PATENT-APPL-SN-830458	c 46	N79-23555 *	#	US-PATENT-APPL-SN-845991	c 14	N71-29134 *	#
US-PATENT-APPL-SN-811037	c 14	N71-26137 *	#	US-PATENT-APPL-SN-830562	c 39	N80-10507 *	#	US-PATENT-APPL-SN-846427	c 36	N86-24978 *	#
US-PATENT-APPL-SN-811038	c 14	N72-20380 *	#	US-PATENT-APPL-SN-830715	c 15	N71-24903 *	#	US-PATENT-APPL-SN-846429	c 03	N86-24673 *	#
US-PATENT-APPL-SN-811401	c 31	N81-25258 *	#	US-PATENT-APPL-SN-830846	c 31	N80-32584 *	#	US-PATENT-APPL-SN-846430	c 82	N86-25292 *	#
US-PATENT-APPL-SN-811509	c 02	N70-33332 *	#	US-PATENT-APPL-SN-830978	c 28	N71-26173 *	#	US-PATENT-APPL-SN-846439	c 08	N86-24700 *	#
US-PATENT-APPL-SN-811542	c 21	N71-24948 *	#	US-PATENT-APPL-SN-831118	c 08	N72-11172 *	#	US-PATENT-APPL-SN-846462	c 07	N87-16628 *	#
US-PATENT-APPL-SN-811815	c 44	N78-31525 *	#	US-PATENT-APPL-SN-831183	c 32	N86-24879 *	#	US-PATENT-APPL-SN-847023	c 31	N70-37938 *	#
US-PATENT-APPL-SN-811892	c 14	N71-27090 *	#	US-PATENT-APPL-SN-831371	c 31	N86-24867 *	#	US-PATENT-APPL-SN-847027	c 03	N70-33343 *	#
US-PATENT-APPL-SN-812447	c 71	N79-20827 *	#	US-PATENT-APPL-SN-831372	c 35	N86-24960 *	#	US-PATENT-APPL-SN-847276	c 37	N81-32510 *	#
US-PATENT-APPL-SN-812998	c 2										

REPORT NUMBER INDEX

US-PATENT-APPL-SN-900843

US-PATENT-APPL-SN-848421	c 43	N80-14423 *	#	US-PATENT-APPL-SN-8636	c 15	N72-25451 *	#	US-PATENT-APPL-SN-880831	c 11	N72-20244 *	#
US-PATENT-APPL-SN-848428	c 25	N82-21268 *	#	US-PATENT-APPL-SN-863770	c 44	N79-18444 *	#	US-PATENT-APPL-SN-880838	c 37	N79-28549 *	#
US-PATENT-APPL-SN-848481	c 17	N70-33283 *	#	US-PATENT-APPL-SN-863773	c 44	N79-26475 *	#	US-PATENT-APPL-SN-880885	c 07	N72-12080 *	#
US-PATENT-APPL-SN-848776	c 07	N72-22127 *	#	US-PATENT-APPL-SN-863913	c 14	N71-28991 *	#	US-PATENT-APPL-SN-881039	c 09	N72-14842 *	#
US-PATENT-APPL-SN-848793	c 43	N79-31706 *	#	US-PATENT-APPL-SN-863914	c 09	N72-31235 *	#	US-PATENT-APPL-SN-881041	c 09	N72-22204 *	#
US-PATENT-APPL-SN-848794	c 44	N79-24431 *	#	US-PATENT-APPL-SN-863963	c 10	N71-26085 *	#	US-PATENT-APPL-SN-882122	c 14	N72-22438 *	#
US-PATENT-APPL-SN-848805	c 06	N72-17095 *	#	US-PATENT-APPL-SN-863967	c 11	N71-27036 *	#	US-PATENT-APPL-SN-882577	c 07	N71-27056 *	#
US-PATENT-APPL-SN-848810	c 07	N72-11148 *	#	US-PATENT-APPL-SN-864020	c 15	N72-17454 *	#	US-PATENT-APPL-SN-883090	c 44	N80-29834 *	#
US-PATENT-APPL-SN-848811	c 10	N71-26142 *	#	US-PATENT-APPL-SN-864039	c 15	N72-22483 *	#	US-PATENT-APPL-SN-883094	c 54	N79-24651 *	#
US-PATENT-APPL-SN-849106	c 09	N72-22197 *	#	US-PATENT-APPL-SN-864097	c 07	N71-33606 *	#	US-PATENT-APPL-SN-883523	c 09	N72-33204 *	#
US-PATENT-APPL-SN-849274	c 28	N79-14228 *	#	US-PATENT-APPL-SN-86417	c 07	N72-25171 *	#	US-PATENT-APPL-SN-883524	c 09	N72-12146 *	#
US-PATENT-APPL-SN-84961	c 02	N70-34178 *	#	US-PATENT-APPL-SN-8650	c 03	N72-25021 *	#	US-PATENT-APPL-SN-883961	c 25	N80-16116 *	#
US-PATENT-APPL-SN-84962	c 21	N70-36943 *	#	US-PATENT-APPL-SN-865106	c 09	N72-22202 *	#	US-PATENT-APPL-SN-88435	c 35	N74-15090 *	#
US-PATENT-APPL-SN-8497	c 14	N72-11363 *	#	US-PATENT-APPL-SN-865109	c 14	N71-28933 *	#	US-PATENT-APPL-SN-885049	c 33	N79-23345 *	#
US-PATENT-APPL-SN-8498	c 05	N71-24729 *	#	US-PATENT-APPL-SN-865274	c 09	N72-17155 *	#	US-PATENT-APPL-SN-885065	c 35	N79-18296 *	#
US-PATENT-APPL-SN-850504	c 52	N81-14613 *	#	US-PATENT-APPL-SN-865298	c 15	N72-11388 *	#	US-PATENT-APPL-SN-885066	c 33	N80-26599 *	#
US-PATENT-APPL-SN-850504	c 52	N81-29764 *	#	US-PATENT-APPL-SN-865329	c 15	N71-29132 *	#	US-PATENT-APPL-SN-885067	c 33	N79-28415 *	#
US-PATENT-APPL-SN-850507	c 25	N79-14169 *	#	US-PATENT-APPL-SN-86548	c 09	N72-21243 *	#	US-PATENT-APPL-SN-885521	c 03	N72-28025 *	#
US-PATENT-APPL-SN-850586	c 31	N71-25434 *	#	US-PATENT-APPL-SN-865811	c 09	N71-27053 *	#	US-PATENT-APPL-SN-885571	c 09	N71-28886 *	#
US-PATENT-APPL-SN-850587	c 08	N72-21199 *	#	US-PATENT-APPL-SN-865909	c 14	N72-11364 *	#	US-PATENT-APPL-SN-885594	c 15	N71-29133 *	#
US-PATENT-APPL-SN-851298	c 15	N72-12409 *	#	US-PATENT-APPL-SN-866422	c 25	N72-24753 *	#	US-PATENT-APPL-SN-886121	c 39	N86-32770 *	#
US-PATENT-APPL-SN-851394	c 09	N71-24892 *	#	US-PATENT-APPL-SN-867841	c 11	N72-22246 *	#	US-PATENT-APPL-SN-886123	c 35	N86-32701 *	#
US-PATENT-APPL-SN-852131	c 15	N71-24836 *	#	US-PATENT-APPL-SN-867842	c 23	N72-27728 *	#	US-PATENT-APPL-SN-886133	c 74	N86-33137 *	#
US-PATENT-APPL-SN-852843	c 09	N72-22195 *	#	US-PATENT-APPL-SN-867843	c 14	N71-26161 *	#	US-PATENT-APPL-SN-886149	c 27	N87-14517 *	#
US-PATENT-APPL-SN-853349	c 35	N81-33448 *	#	US-PATENT-APPL-SN-867851	c 15	N72-22484 *	#	US-PATENT-APPL-SN-887685	c 10	N72-20223 *	#
US-PATENT-APPL-SN-853641	c 33	N72-25913 *	#	US-PATENT-APPL-SN-867986	c 74	N86-33138 *	#	US-PATENT-APPL-SN-887698	c 09	N72-17153 *	#
US-PATENT-APPL-SN-853677	c 34	N79-31523 *	#	US-PATENT-APPL-SN-867987	c 27	N86-32570 *	#	US-PATENT-APPL-SN-887699	c 15	N72-17452 *	#
US-PATENT-APPL-SN-853679	c 35	N79-14346 *	#	US-PATENT-APPL-SN-868249	c 33	N80-18286 *	#	US-PATENT-APPL-SN-887700	c 07	N71-28980 *	#
US-PATENT-APPL-SN-853705	c 45	N79-12584 *	#	US-PATENT-APPL-SN-868445	c 14	N72-17323 *	#	US-PATENT-APPL-SN-887701	c 08	N71-29034 *	#
US-PATENT-APPL-SN-853716	c 09	N71-24904 *	#	US-PATENT-APPL-SN-868529	c 08	N72-22167 *	#	US-PATENT-APPL-SN-888362	c 33	N80-14330 *	#
US-PATENT-APPL-SN-853746	c 02	N72-11018 *	#	US-PATENT-APPL-SN-868530	c 05	N72-11084 *	#	US-PATENT-APPL-SN-888432	c 74	N81-17886 *	#
US-PATENT-APPL-SN-853763	c 07	N70-12616 *	#	US-PATENT-APPL-SN-868775	c 09	N72-25261 *	#	US-PATENT-APPL-SN-888434	c 51	N83-27569 *	#
US-PATENT-APPL-SN-853763	c 07	N72-33146 *	#	US-PATENT-APPL-SN-868775	c 09	N73-27150 *	#	US-PATENT-APPL-SN-889374	c 08	N72-25207 *	#
US-PATENT-APPL-SN-853855	c 17	N72-22530 *	#	US-PATENT-APPL-SN-869260	c 05	N72-20097 *	#	US-PATENT-APPL-SN-889375	c 10	N72-20222 *	#
US-PATENT-APPL-SN-853855	c 17	N72-28535 *	#	US-PATENT-APPL-SN-869260	c 05	N73-25125 *	#	US-PATENT-APPL-SN-889376	c 18	N71-26285 *	#
US-PATENT-APPL-SN-853856	c 16	N71-29131 *	#	US-PATENT-APPL-SN-870689	c 06	N72-25148 *	#	US-PATENT-APPL-SN-889387	c 09	N71-29035 *	#
US-PATENT-APPL-SN-853983	c 14	N70-33254 *	#	US-PATENT-APPL-SN-871207	c 23	N86-32526 *	#	US-PATENT-APPL-SN-889420	c 14	N72-25413 *	#
US-PATENT-APPL-SN-853984	c 21	N70-33181 *	#	US-PATENT-APPL-SN-87222	c 05	N72-27103 *	#	US-PATENT-APPL-SN-889422	c 09	N72-25259 *	#
US-PATENT-APPL-SN-854815	c 09	N71-24807 *	#	US-PATENT-APPL-SN-872602	c 09	N72-22200 *	#	US-PATENT-APPL-SN-889423	c 10	N72-22236 *	#
US-PATENT-APPL-SN-854920	c 15	N79-26100 *	#	US-PATENT-APPL-SN-872664	c 08	N70-34675 *	#	US-PATENT-APPL-SN-889437	c 15	N72-11392 *	#
US-PATENT-APPL-SN-855004	c 24	N72-11595 *	#	US-PATENT-APPL-SN-873045	c 14	N72-20379 *	#	US-PATENT-APPL-SN-889438	c 15	N72-18477 *	#
US-PATENT-APPL-SN-855364	c 52	N81-27783 *	#	US-PATENT-APPL-SN-873259	c 08	N72-21200 *	#	US-PATENT-APPL-SN-889478	c 08	N71-29138 *	#
US-PATENT-APPL-SN-85585	c 21	N70-35427 *	#	US-PATENT-APPL-SN-873260	c 33	N72-17948 *	#	US-PATENT-APPL-SN-889479	c 14	N72-17325 *	#
US-PATENT-APPL-SN-855879	c 27	N86-26435 *	#	US-PATENT-APPL-SN-873793	c 14	N72-21407 *	#	US-PATENT-APPL-SN-889551	c 21	N72-21624 *	#
US-PATENT-APPL-SN-855982	c 31	N86-27467 *	#	US-PATENT-APPL-SN-874177	c 11	N72-25284 *	#	US-PATENT-APPL-SN-889554	c 15	N72-20444 *	#
US-PATENT-APPL-SN-855983	c 03	N86-26296 *	#	US-PATENT-APPL-SN-874304	c 25	N86-32540 *	#	US-PATENT-APPL-SN-889555	c 09	N72-17154 *	#
US-PATENT-APPL-SN-856253	c 24	N74-19769 *	#	US-PATENT-APPL-SN-874319	c 35	N87-14676 *	#	US-PATENT-APPL-SN-889556	c 14	N72-18411 *	#
US-PATENT-APPL-SN-856258	c 05	N71-17599 *	#	US-PATENT-APPL-SN-874320	c 25	N86-32541 *	#	US-PATENT-APPL-SN-889557	c 11	N72-17183 *	#
US-PATENT-APPL-SN-856279	c 07	N72-21118 *	#	US-PATENT-APPL-SN-874435	c 11	N71-33612 *	#	US-PATENT-APPL-SN-889558	c 15	N72-22491 *	#
US-PATENT-APPL-SN-856282	c 08	N72-22166 *	#	US-PATENT-APPL-SN-874673	c 27	N82-29454 *	#	US-PATENT-APPL-SN-889583	c 15	N72-21464 *	#
US-PATENT-APPL-SN-856327	c 05	N72-16015 *	#	US-PATENT-APPL-SN-874674	c 27	N82-29452 *	#	US-PATENT-APPL-SN-889584	c 08	N72-31226 *	#
US-PATENT-APPL-SN-856328	c 14	N72-22441 *	#	US-PATENT-APPL-SN-874675	c 27	N82-29455 *	#	US-PATENT-APPL-SN-889670	c 39	N79-22537 *	#
US-PATENT-APPL-SN-856415	c 09	N71-26182 *	#	US-PATENT-APPL-SN-874732	c 09	N71-29139 *	#	US-PATENT-APPL-SN-889671	c 24	N81-14000 *	#
US-PATENT-APPL-SN-856460	c 25	N79-24073 *	#	US-PATENT-APPL-SN-874733	c 15	N71-26635 *	#	US-PATENT-APPL-SN-889671	c 24	N81-33235 *	#
US-PATENT-APPL-SN-856461	c 34	N79-12359 *	#	US-PATENT-APPL-SN-874958	c 31	N71-15566 *	#	US-PATENT-APPL-SN-889682	c 15	N72-25447 *	#
US-PATENT-APPL-SN-856462	c 34	N80-24573 *	#	US-PATENT-APPL-SN-87550	c 06	N72-25146 *	#	US-PATENT-APPL-SN-890445	c 18	N86-31630 *	#
US-PATENT-APPL-SN-856462	c 44	N81-24519 *	#	US-PATENT-APPL-SN-87551	c 33	N73-16918 *	#	US-PATENT-APPL-SN-890575	c 09	N86-31594 *	#
US-PATENT-APPL-SN-856464	c 36	N79-14362 *	#	US-PATENT-APPL-SN-875798	c 37	N86-32740 *	#	US-PATENT-APPL-SN-890577	c 27	N87-10205 *	#
US-PATENT-APPL-SN-856465	c 44	N80-14473 *	#	US-PATENT-APPL-SN-875799	c 34	N86-32661 *	#	US-PATENT-APPL-SN-890584	c 26	N87-10192 *	#
US-PATENT-APPL-SN-856466	c 72	N80-14877 *	#	US-PATENT-APPL-SN-875849	c 07	N71-33696 *	#	US-PATENT-APPL-SN-890586	c 32	N87-15390 *	#
US-PATENT-APPL-SN-856466	c 46	N74-23069 *	#	US-PATENT-APPL-SN-875891	c 31	N86-32589 *	#	US-PATENT-APPL-SN-890683	c 37	N87-15464 *	#
US-PATENT-APPL-SN-857241	c 05	N71-24728 *	#	US-PATENT-APPL-SN-87597	c 33	N74-22864 *	#	US-PATENT-APPL-SN-891243	c 44	N79-25482 *	#
US-PATENT-APPL-SN-857967	c 15	N72-20443 *	#	US-PATENT-APPL-SN-876299	c 44	N80-18552 *	#	US-PATENT-APPL-SN-891244	c 05	N79-24976 *	#
US-PATENT-APPL-SN-858596	c 35	N78-18395 *	#	US-PATENT-APPL-SN-876431	c 33	N79-24254 *	#	US-PATENT-APPL-SN-891356	c 35	N80-18359 *	#
US-PATENT-APPL-SN-858695	c 11	N72-22247 *	#	US-PATENT-APPL-SN-876432	c 36	N80-18372 *	#	US-PATENT-APPL-SN-891358	c 44	N80-14474 *	#
US-PATENT-APPL-SN-858762	c 08	N79-23097 *	#	US-PATENT-APPL-SN-876438	c 52	N79-26772 *	#	US-PATENT-APPL-SN-891370	c 20	N79-20179 *	#
US-PATENT-APPL-SN-858764	c 33	N79-10338 *	#	US-PATENT-APPL-SN-876440	c 51	N80-16714 *	#	US-PATENT-APPL-SN-891372	c 37	N79-22474 *	#
US-PATENT-APPL-SN-858765	c 33	N79-11313 *	#	US-PATENT-APPL-SN-876441	c 74	N79-20856 *	#	US-PATENT-APPL-SN-891373	c 31	N80-18231 *	#
US-PATENT-APPL-SN-858766	c 27	N79-14213 *	#	US-PATENT-APPL-SN-876588	c 15	N72-25452 *	#	US-PATENT-APPL-SN-891872	c 25	N82-24312 *	#
US-PATENT-APPL-SN-858767	c 32	N83-19968 *	#	US-PATENT-APPL-SN-876588	c 25	N74-30502 *	#	US-PATENT-APPL-SN-89209	c 09	N72-25248 *	#
US-PATENT-APPL-SN-858936	c 07	N80-18039 *	#	US-PATENT-APPL-SN-877445	c 23	N82-29358 *	#	US-PATENT-APPL-SN-89210	c 07	N73-26119 *	#
US-PATENT-APPL-SN-858950	c 35	N78-17359 *	#	US-PATENT-APPL-SN-877717	c 14	N72-27410 *	#	US-PATENT-APPL-SN-89211	c 14	N73-12446 *	#
US-PATENT-APPL-SN-859688	c 24	N87-10179 *	#	US-PATENT-APPL-SN-877717	c 14	N73-13417 *	#	US-PATENT-APPL-SN-89212	c 08	N72-25208 *	#
US-PATENT-APPL-SN-86018	c 23	N71-30292 *	#	US-PATENT-APPL-SN-877990	c 14	N72-28437 *	#	US-PATENT-APPL-SN-893382	c 34	N79-24285 *	#
US-PATENT-APPL-SN-860404	c 37	N81-15364 *	#	US-PATENT-APPL-SN-878253	c 25	N81-33246 *	#	US-PATENT-APPL-SN-893383	c 31	N81-27323 *	#
US-PATENT-APPL-SN-860405	c 26	N79-22271 *	#	US-PATENT-APPL-SN-878539	c 35	N80-20560 *	#	US-PATENT-APPL-SN-893657	c 51	N80-27067 *	#
US-PATENT-APPL-SN-860406	c 24	N79-17916 *	#	US-PATENT-APPL-SN-878540	c 24	N82-26384 *	#	US-PATENT-APPL-SN-893857	c 24	N81-17170 *	#
US-PATENT-APPL-SN-860492	c 09	N72-20199 *	#	US-PATENT-APPL-SN-878541	c 33	N81-14220 *	#	US-PATENT-APPL-SN-893857	c 24	N81-26179 *	#
US-PATENT-APPL-SN-860493	c 14	N72-16283 *	#	US-PATENT-APPL-SN-878542	c 33	N79-28416 *	#	US-PATENT-APPL-SN-893865	c 37	N81-24443 *	#
US-PATENT-APPL-SN-860635	c 28	N72-17843 *	#	US-PATENT-APPL-SN-878730	c 08	N72-22164 *	#	US-PATENT-APPL-SN-893903	c 60	N81-15706 *	#
US-PATENT-APPL-SN-860750	c 08	N72-22165 *	#	US-PATENT-APPL-SN-878731	c 15	N71-26162 *	#	US-PATENT-APPL-SN-894213	c 37	N80-23655 *	#
US-PATENT-APPL-SN-860751	c 08	N72-18184 *	#	US-PATENT-APPL-SN-878916	c 60	N87-14863 *	#	US-PATENT-APPL-SN-897239	c 20	N87-10174 *	#
US-PATENT-APPL-SN-860781	c 18	N72-22567 *	#	US-PATENT-APPL-SN-879757	c 33	N87-10231 *	#	US-PATENT-APPL-SN-897828	c 52	N81-29763 *	#
US-PATENT-APPL-SN-861152	c 14	N70-33322 *	#	US-PATENT-APPL-SN-879758	c 33	N86-32626 *	#	US			

US-PATENT-APPL-SN-901055	c 76	N80-32245 *	#	US-PATENT-APPL-SN-938297	c 25	N81-14015 *	#	US-PATENT-APPL-SN-99198	c 31	N73-32749 *	#
US-PATENT-APPL-SN-901113	c 35	N87-14675 *	#	US-PATENT-APPL-SN-938298	c 33	N81-17348 *	#	US-PATENT-APPL-SN-99201	c 15	N73-25512 *	#
US-PATENT-APPL-SN-901114	c 76	N87-15883 *	#	US-PATENT-APPL-SN-938299	c 33	N81-19389 *	#	US-PATENT-APPL-SN-99201	c 37	N74-20063 *	#
US-PATENT-APPL-SN-901496	c 23	N87-15275 *	#	US-PATENT-APPL-SN-938300	c 37	N80-23654 *	#	US-PATENT-APPL-SN-99524	c 06	N72-27144 *	#
US-PATENT-APPL-SN-903019	c 46	N80-10709 *	#	US-PATENT-APPL-SN-938579	c 76	N80-32244 *	#	US-PATENT-APPL-SN-99901	c 37	N74-10474 *	#
US-PATENT-APPL-SN-904128	c 25	N87-18627 *	#	US-PATENT-APPL-SN-938581	c 04	N80-32359 *	#	US-PATENT-APPL-SN-99903	c 11	N73-12265 *	#
US-PATENT-APPL-SN-904132	c 02	N87-14282 *	#	US-PATENT-APPL-SN-938582	c 37	N80-23653 *	#				
US-PATENT-APPL-SN-904134	c 18	N87-15260 *	#	US-PATENT-APPL-SN-94049	c 14	N73-20476 *	#	US-PATENT-CASE-179-146-R	c 05	N83-27975 *	#
US-PATENT-APPL-SN-90595	c 03	N72-20031 *	#	US-PATENT-APPL-SN-940688	c 24	N79-24062 *	#	US-PATENT-CASE-179-179	c 05	N83-27975 *	#
US-PATENT-APPL-SN-906297	c 44	N79-14529 *	#	US-PATENT-APPL-SN-940689	c 35	N80-28686 *	#	US-PATENT-CASE-244-121	c 05	N83-19737 *	#
US-PATENT-APPL-SN-906298	c 76	N80-18951 *	#	US-PATENT-APPL-SN-940970	c 72	N80-27163 *	#	US-PATENT-CASE-244-129.4	c 05	N83-19737 *	#
US-PATENT-APPL-SN-906299	c 27	N80-16158 *	#	US-PATENT-APPL-SN-941711	c 24	N80-26388 *	#	US-PATENT-CASE-292-254	c 05	N83-19737 *	#
US-PATENT-APPL-SN-907421	c 37	N81-14318 *	#	US-PATENT-APPL-SN-942159	c 37	N87-18817 *	#	US-PATENT-CASE-356-129	c 36	N83-29680 *	#
US-PATENT-APPL-SN-907431	c 37	N81-25370 *	#	US-PATENT-APPL-SN-94259	c 27	N70-35534 *	#	US-PATENT-CASE-367-906	c 05	N83-27975 *	#
US-PATENT-APPL-SN-907435	c 27	N80-10358 *	#	US-PATENT-APPL-SN-943086	c 37	N80-32717 *	#	US-PATENT-CASE-368-10	c 35	N83-29651 *	#
US-PATENT-APPL-SN-907436	c 37	N80-14398 *	#	US-PATENT-APPL-SN-943087	c 15	N78-32168 *	#	US-PATENT-CASE-368-118	c 35	N83-29651 *	#
US-PATENT-APPL-SN-907479	c 27	N80-24438 *	#	US-PATENT-APPL-SN-943088	c 18	N80-14183 *	#	US-PATENT-CASE-368-119	c 35	N83-29651 *	#
US-PATENT-APPL-SN-909100	c 37	N79-28550 *	#	US-PATENT-APPL-SN-943089	c 74	N80-21140 *	#	US-PATENT-CASE-368-120	c 35	N83-29651 *	#
US-PATENT-APPL-SN-909235	c 07	N81-19115 *	#	US-PATENT-APPL-SN-943346	c 34	N87-18779 *	#	US-PATENT-CASE-368-6	c 35	N83-29651 *	#
US-PATENT-APPL-SN-909608	c 07	N81-19116 *	#	US-PATENT-APPL-SN-94347	c 05	N72-25122 *	#	US-PATENT-CASE-368-9	c 35	N83-29651 *	#
US-PATENT-APPL-SN-910707	c 32	N80-20448 *	#	US-PATENT-APPL-SN-94369	c 07	N71-28965 *	#				
US-PATENT-APPL-SN-910708	c 06	N80-18036 *	#	US-PATENT-APPL-SN-94374	c 14	N72-25411 *	#	US-PATENT-CLAS-165-27	c 34	N83-34221 *	#
US-PATENT-APPL-SN-910793	c 44	N80-16452 *	#	US-PATENT-APPL-SN-945040	c 37	N82-24492 *	#	US-PATENT-CLAS-361-90	c 33	N83-34190 *	#
US-PATENT-APPL-SN-910794	c 14	N81-26161 *	#	US-PATENT-APPL-SN-945041	c 43	N80-18498 *	#				
US-PATENT-APPL-SN-910992	c 52	N81-24711 *	#	US-PATENT-APPL-SN-945043	c 33	N81-33403 *	#	US-PATENT-CLASS-D12-76	c 05	N75-25914 *	#
US-PATENT-APPL-SN-91180	c 14	N70-40240 *	#	US-PATENT-APPL-SN-945044	c 54	N81-26718 *	#	US-PATENT-CLASS-D71-1	c 05	N74-10907 *	#
US-PATENT-APPL-SN-911851	c 29	N87-18679 *	#	US-PATENT-APPL-SN-945436	c 46	N80-24906 *	#				
US-PATENT-APPL-SN-912276	c 24	N81-29163 *	#	US-PATENT-APPL-SN-946990	c 28	N80-23471 *	#	US-PATENT-CLASS-100-299	c 15	N72-20446 *	#
US-PATENT-APPL-SN-913432	c 18	N87-15259 *	#	US-PATENT-APPL-SN-946991	c 31	N81-27324 *	#	US-PATENT-CLASS-100-8	c 33	N74-17928 *	#
US-PATENT-APPL-SN-913433	c 33	N87-15413 *	#	US-PATENT-APPL-SN-946992	c 45	N80-14579 *	#	US-PATENT-CLASS-101-395	c 35	N84-22930 *	#
US-PATENT-APPL-SN-913446	c 37	N87-15465 *	#	US-PATENT-APPL-SN-946994	c 44	N79-31753 *	#	US-PATENT-CLASS-101-407BP	c 37	N84-12491 *	#
US-PATENT-APPL-SN-913447	c 74	N87-15786 *	#	US-PATENT-APPL-SN-947000	c 28	N81-15119 *	#	US-PATENT-CLASS-102-101	c 28	N71-26779 *	#
US-PATENT-APPL-SN-914260	c 44	N79-26474 *	#	US-PATENT-APPL-SN-94952	c 14	N70-34158 *	#	US-PATENT-CLASS-102-103	c 20	N78-32179 *	#
US-PATENT-APPL-SN-915050	c 44	N81-12542 *	#	US-PATENT-APPL-SN-949886	c 33	N80-18285 *	#	US-PATENT-CLASS-102-105	c 33	N72-17947 *	#
US-PATENT-APPL-SN-91642	c 14	N72-31446 *	#	US-PATENT-APPL-SN-950876	c 37	N80-31790 *	#	US-PATENT-CLASS-102-105	c 33	N72-25911 *	#
US-PATENT-APPL-SN-916654	c 07	N81-29129 *	#	US-PATENT-APPL-SN-950877	c 52	N81-25660 *	#	US-PATENT-CLASS-102-105	c 33	N73-25952 *	#
US-PATENT-APPL-SN-916655	c 44	N80-14472 *	#	US-PATENT-APPL-SN-951422	c 51	N81-14605 *	#	US-PATENT-CLASS-102-105	c 27	N74-27037 *	#
US-PATENT-APPL-SN-917125	c 35	N87-15452 *	#	US-PATENT-APPL-SN-951423	c 48	N80-18667 *	#	US-PATENT-CLASS-102-105	c 24	N79-25142 *	#
US-PATENT-APPL-SN-918533	c 32	N79-23310 *	#	US-PATENT-APPL-SN-951828	c 37	N80-29703 *	#	US-PATENT-CLASS-102-21.6	c 46	N79-22679 *	#
US-PATENT-APPL-SN-918534	c 33	N80-32650 *	#	US-PATENT-APPL-SN-951829	c 33	N80-18287 *	#	US-PATENT-CLASS-102-28EB	c 28	N74-27425 *	#
US-PATENT-APPL-SN-918535	c 35	N80-18357 *	#	US-PATENT-APPL-SN-951830	c 28	N80-28536 *	#	US-PATENT-CLASS-102-28F	c 28	N79-11231 *	#
US-PATENT-APPL-SN-918537	c 26	N80-14229 *	#	US-PATENT-APPL-SN-951831	c 08	N73-12175 *	#	US-PATENT-CLASS-102-289	c 27	N82-24339 *	#
US-PATENT-APPL-SN-918705	c 52	N82-33996 *	#	US-PATENT-APPL-SN-95189	c 74	N77-21941 *	#	US-PATENT-CLASS-102-34.4	c 07	N72-25171 *	#
US-PATENT-APPL-SN-920878	c 24	N78-27184 *	#	US-PATENT-APPL-SN-953313	c 32	N81-14187 *	#	US-PATENT-CLASS-102-378	c 01	N83-35992 *	#
US-PATENT-APPL-SN-920879	c 44	N79-31752 *	#	US-PATENT-APPL-SN-953314	c 37	N81-14319 *	#	US-PATENT-CLASS-102-39	c 20	N78-24275 *	#
US-PATENT-APPL-SN-921572	c 24	N87-18613 *	#	US-PATENT-APPL-SN-953389	c 74	N79-14892 *	#	US-PATENT-CLASS-102-49.3	c 20	N77-17143 *	#
US-PATENT-APPL-SN-921573	c 37	N87-14704 *	#	US-PATENT-APPL-SN-953389	c 74	N80-27185 *	#	US-PATENT-CLASS-102-49.5	c 31	N71-15687 *	#
US-PATENT-APPL-SN-921574	c 31	N87-15327 *	#	US-PATENT-APPL-SN-953390	c 74	N80-21138 *	#	US-PATENT-CLASS-102-49.5	c 15	N71-22874 *	#
US-PATENT-APPL-SN-921575	c 34	N87-18778 *	#	US-PATENT-APPL-SN-953391	c 72	N80-33186 *	#	US-PATENT-CLASS-102-49.5	c 31	N71-23008 *	#
US-PATENT-APPL-SN-921577	c 37	N87-14705 *	#	US-PATENT-APPL-SN-956160	c 32	N80-18253 *	#	US-PATENT-CLASS-102-49.5	c 31	N73-14853 *	#
US-PATENT-APPL-SN-921626	c 25	N80-23383 *	#	US-PATENT-APPL-SN-956161	c 27	N79-11215 *	#	US-PATENT-CLASS-102-49.7	c 28	N73-24784 *	#
US-PATENT-APPL-SN-921627	c 33	N80-14332 *	#	US-PATENT-APPL-SN-956166	c 33	N81-19393 *	#	US-PATENT-CLASS-102-49.7	c 20	N78-24275 *	#
US-PATENT-APPL-SN-923758	c 20	N78-27176 *	#	US-PATENT-APPL-SN-956168	c 27	N81-25209 *	#	US-PATENT-CLASS-102-49.8	c 28	N73-24784 *	#
US-PATENT-APPL-SN-923759	c 20	N80-10278 *	#	US-PATENT-APPL-SN-956529	c 35	N80-26635 *	#	US-PATENT-CLASS-102-49	c 33	N70-36846 *	#
US-PATENT-APPL-SN-924397	c 18	N87-18595 *	#	US-PATENT-APPL-SN-957452	c 32	N80-24510 *	#	US-PATENT-CLASS-102-49	c 28	N70-38181 *	#
US-PATENT-APPL-SN-924398	c 14	N87-15253 *	#	US-PATENT-APPL-SN-958573	c 25	N80-20334 *	#	US-PATENT-CLASS-102-49	c 03	N70-39930 *	#
US-PATENT-APPL-SN-924399	c 76	N87-15004 *	#	US-PATENT-APPL-SN-958575	c 27	N80-24437 *	#	US-PATENT-CLASS-102-49	c 15	N70-41679 *	#
US-PATENT-APPL-SN-924400	c 44	N87-18921 *	#	US-PATENT-APPL-SN-961831	c 33	N81-25299 *	#	US-PATENT-CLASS-102-49	c 28	N70-41967 *	#
US-PATENT-APPL-SN-924472	c 32	N87-18692 *	#	US-PATENT-APPL-SN-961832	c 37	N81-24442 *	#	US-PATENT-CLASS-102-49	c 31	N71-10582 *	#
US-PATENT-APPL-SN-924474	c 23	N87-14432 *	#	US-PATENT-APPL-SN-961833	c 37	N82-21587 *	#	US-PATENT-CLASS-102-49	c 15	N71-13789 *	#
US-PATENT-APPL-SN-925189	c 76	N87-19116 *	#	US-PATENT-APPL-SN-964009	c 02	N80-20224 *	#	US-PATENT-CLASS-102-49	c 31	N71-15692 *	#
US-PATENT-APPL-SN-9251	c 03	N70-34646 *	#	US-PATENT-APPL-SN-964754	c 33	N80-20487 *	#	US-PATENT-CLASS-102-49	c 31	N71-17730 *	#
US-PATENT-APPL-SN-927972	c 74	N87-19064 *	#	US-PATENT-APPL-SN-964754	c 44	N81-29524 *	#	US-PATENT-CLASS-102-504	c 15	N82-24272 *	#
US-PATENT-APPL-SN-927987	c 62	N87-19021 *	#	US-PATENT-APPL-SN-965367	c 33	N81-14221 *	#	US-PATENT-CLASS-102-50	c 31	N71-24750 *	#
US-PATENT-APPL-SN-927992	c 37	N87-18818 *	#	US-PATENT-APPL-SN-965368	c 74	N81-17888 *	#	US-PATENT-CLASS-102-56R	c 02	N81-14968 *	#
US-PATENT-APPL-SN-928128	c 44	N80-18551 *	#	US-PATENT-APPL-SN-969755	c 05	N81-19087 *	#	US-PATENT-CLASS-102-70.2A	c 28	N74-27425 *	#
US-PATENT-APPL-SN-928129	c 35	N80-14371 *	#	US-PATENT-APPL-SN-969756	c 37	N81-14317 *	#	US-PATENT-CLASS-102-70.2R	c 19	N74-15089 *	#
US-PATENT-APPL-SN-928130	c 35	N80-20559 *	#	US-PATENT-APPL-SN-969757	c 24	N84-16262 *	#	US-PATENT-CLASS-102-70.2	c 09	N71-18599 *	#
US-PATENT-APPL-SN-928131	c 09	N79-31228 *	#	US-PATENT-APPL-SN-969759	c 25	N82-11144 *	#	US-PATENT-CLASS-102-70.2R	c 28	N74-27425 *	#
US-PATENT-APPL-SN-928133	c 44	N80-18550 *	#	US-PATENT-APPL-SN-969760	c 39	N81-25400 *	#	US-PATENT-CLASS-102-70R	c 20	N78-24275 *	#
US-PATENT-APPL-SN-928137	c 52	N80-23969 *	#	US-PATENT-APPL-SN-969761	c 32	N82-12297 *	#	US-PATENT-CLASS-102-90	c 15	N74-27360 *	#
US-PATENT-APPL-SN-929083	c 36	N80-16321 *	#	US-PATENT-APPL-SN-969762	c 33	N82-29539 *	#	US-PATENT-CLASS-102-92.1	c 02	N81-14968 *	#
US-PATENT-APPL-SN-929084	c 37	N81-19455 *	#	US-PATENT-APPL-SN-97112	c 21	N70-34539 *	#	US-PATENT-CLASS-102-95	c 11	N73-32152 *	#
US-PATENT-APPL-SN-929086	c 24	N81-13999 *	#	US-PATENT-APPL-SN-971473	c 23	N81-29160 *	#	US-PATENT-CLASS-102-99	c 28	N77-10213 *	#
US-PATENT-APPL-SN-929087	c 35	N80-28687 *	#	US-PATENT-APPL-SN-971474	c 20	N82-18314 *	#	US-PATENT-CLASS-103.5R	c 04	N73-27052 *	#
US-PATENT-APPL-SN-929088	c 74	N80-24149 *	#	US-PATENT-APPL-SN-971475	c 27	N81-24257 *	#	US-PATENT-CLASS-103-1	c 26	N71-21824 *	#
US-PATENT-APPL-SN-929862	c 02	N87-18535 *	#	US-PATENT-APPL-SN-971596	c 27	N80-32516 *	#	US-PATENT-CLASS-103-37	c 28	N71-14058 *	#
US-PATENT-APPL-SN-929865	c 18	N87-18596 *	#	US-PATENT-APPL-SN-972252	c 35	N81-33448 *	#	US-PATENT-CLASS-103-48	c 15	N71-24042 *	#
US-PATENT-APPL-SN-929875	c 18	N87-18597 *	#	US-PATENT-APPL-SN-97343	c 10	N72-27246 *	#	US-PATENT-CLASS-104-DIG.4	c 44	N84-23019 *	#
US-PATENT-APPL-SN-929876	c 32	N87-18691 *	#	US-PATENT-APPL-SN-974292	c 26	N80-23419 *	#	US-PATENT-CLASS-104-138R	c 85	N74-34672 *	#
US-PATENT-APPL-SN-930217	c 25	N87-18625 *	#	US-PATENT-APPL-SN-974471	c 32	N81-14185 *	#	US-PATENT-CLASS-104-139	c 05	N71-28619 *	#
US-PATENT-APPL-SN-931090	c 37	N80-26658 *	#	US-PATENT-APPL-SN-974472	c 37	N81-15363 *	#	US-PATENT-CLASS-104-1	c 05	N71-28619 *	#
US-PATENT-APPL-SN-931090	c 37	N82-19540 *	#	US-PATENT-APPL-SN-974473	c 60	N81-27814 *	#	US-PATENT-CLASS-104-23FS	c 85	N74-34672 *	#
US-PATENT-APPL-SN-931217	c 37	N80-32716 *	#	US-PATENT-APPL-SN-974474	c 25	N81-19242 *	#	US-PATENT-CLASS-104-281	c 37	N85-20337 *	#
US-PATENT-APPL-SN-931218	c 20	N80-18097 *	#	US-PATENT-APPL-SN-974475	c 33	N81-17349 *	#	US-PATENT-CLASS-104-282	c 37	N83-32067 *	#
US-PATENT-APPL-SN-933186	c 27	N80-32515 *	#	US-PATENT-APPL-SN-974476	c 52	N81-146					

REPORT NUMBER INDEX

US-PATENT-CLASS-126-271

US-PATENT-CLASS-106-15FP	c 27	N74-27037 *	US-PATENT-CLASS-117-107	c 76	N79-16678 *	US-PATENT-CLASS-118-50	c 37	N81-33482 *
US-PATENT-CLASS-106-15FP	c 27	N76-24405 *	US-PATENT-CLASS-117-119	c 18	N71-16105 *	US-PATENT-CLASS-118-50	c 71	N84-16940 *
US-PATENT-CLASS-106-15FP	c 24	N78-15180 *	US-PATENT-CLASS-117-119	c 76	N79-16678 *	US-PATENT-CLASS-118-52	c 37	N81-33482 *
US-PATENT-CLASS-106-15R	c 23	N75-14834 *	US-PATENT-CLASS-117-124C	c 15	N72-25452 *	US-PATENT-CLASS-118-57	c 71	N84-16940 *
US-PATENT-CLASS-106-15	c 18	N71-14014 *	US-PATENT-CLASS-117-124F	c 23	N75-14834 *	US-PATENT-CLASS-118-624	c 36	N84-22944 *
US-PATENT-CLASS-106-15	c 18	N71-15469 *	US-PATENT-CLASS-117-126GM	c 37	N75-26371 *	US-PATENT-CLASS-118-624	c 71	N84-16940 *
US-PATENT-CLASS-106-18.16	c 27	N82-16238 *	US-PATENT-CLASS-117-126GR	c 27	N74-23125 *	US-PATENT-CLASS-118-641	c 36	N84-22944 *
US-PATENT-CLASS-106-18.24	c 27	N82-16238 *	US-PATENT-CLASS-117-126R	c 37	N75-26371 *	US-PATENT-CLASS-118-641	c 51	N77-27677 *
US-PATENT-CLASS-106-197	c 25	N82-29370 *	US-PATENT-CLASS-117-129	c 37	N74-21063 *	US-PATENT-CLASS-118-7	c 51	N77-27677 *
US-PATENT-CLASS-106-1	c 44	N79-31752 *	US-PATENT-CLASS-117-129	c 27	N75-27160 *	US-PATENT-CLASS-118-9	c 51	N77-27677 *
US-PATENT-CLASS-106-209	c 05	N72-25120 *	US-PATENT-CLASS-117-130R	c 15	N73-32360 *	US-PATENT-CLASS-119-15	c 11	N71-22875 *
US-PATENT-CLASS-106-286	c 18	N72-22566 *	US-PATENT-CLASS-117-132B	c 27	N74-23125 *	US-PATENT-CLASS-119-17	c 51	N81-32829 *
US-PATENT-CLASS-106-287SB	c 23	N75-14834 *	US-PATENT-CLASS-117-132	c 06	N72-25150 *	US-PATENT-CLASS-119-18	c 51	N81-32829 *
US-PATENT-CLASS-106-288B	c 18	N72-22566 *	US-PATENT-CLASS-117-135.5	c 23	N75-14834 *	US-PATENT-CLASS-119-29	c 51	N78-27733 *
US-PATENT-CLASS-106-292	c 18	N72-17532 *	US-PATENT-CLASS-117-138.8R	c 15	N73-32360 *	US-PATENT-CLASS-119-51.11	c 35	N78-19466 *
US-PATENT-CLASS-106-292	c 27	N77-30237 *	US-PATENT-CLASS-117-151	c 15	N73-32360 *	US-PATENT-CLASS-119-51.13	c 51	N74-15778 *
US-PATENT-CLASS-106-296	c 18	N71-26772 *	US-PATENT-CLASS-117-152	c 15	N72-25452 *	US-PATENT-CLASS-119-51.5	c 51	N74-15778 *
US-PATENT-CLASS-106-296	c 27	N77-30237 *	US-PATENT-CLASS-117-16R	c 15	N72-25452 *	US-PATENT-CLASS-119-51R	c 51	N74-15778 *
US-PATENT-CLASS-106-296	c 24	N79-14156 *	US-PATENT-CLASS-117-160R	c 15	N73-32360 *	US-PATENT-CLASS-119-52AF	c 51	N74-15778 *
US-PATENT-CLASS-106-299	c 18	N72-17532 *	US-PATENT-CLASS-117-161P	c 06	N73-27980 *	US-PATENT-CLASS-119-54	c 51	N74-15778 *
US-PATENT-CLASS-106-299	c 27	N77-30237 *	US-PATENT-CLASS-117-161UA	c 25	N75-12087 *	US-PATENT-CLASS-119-72.5	c 35	N78-19466 *
US-PATENT-CLASS-106-306	c 24	N76-24363 *	US-PATENT-CLASS-117-161UN	c 06	N73-27980 *	US-PATENT-CLASS-119-96	c 05	N71-28619 *
US-PATENT-CLASS-106-39.5	c 27	N78-19302 *	US-PATENT-CLASS-117-161UN	c 27	N74-23125 *	US-PATENT-CLASS-121-38	c 15	N70-35409 *
US-PATENT-CLASS-106-39R	c 18	N73-14584 *	US-PATENT-CLASS-117-161UN	c 25	N75-12087 *	US-PATENT-CLASS-121-38	c 02	N71-29128 *
US-PATENT-CLASS-106-39	c 26	N72-28762 *	US-PATENT-CLASS-117-161UZ	c 25	N75-12087 *	US-PATENT-CLASS-122-32	c 33	N72-20915 *
US-PATENT-CLASS-106-40	c 18	N71-22998 *	US-PATENT-CLASS-117-161	c 06	N72-25150 *	US-PATENT-CLASS-122-366	c 34	N85-29180 *
US-PATENT-CLASS-106-43	c 27	N78-17206 *	US-PATENT-CLASS-117-2R	c 32	N74-27612 *	US-PATENT-CLASS-122-366	c 34	N86-27593 *
US-PATENT-CLASS-106-43	c 37	N81-25371 *	US-PATENT-CLASS-117-200	c 09	N72-25259 *	US-PATENT-CLASS-122-40	c 25	N82-11144 *
US-PATENT-CLASS-106-46	c 26	N72-28762 *	US-PATENT-CLASS-117-201	c 15	N69-21460 *	US-PATENT-CLASS-123-DIG.12	c 37	N76-18457 *
US-PATENT-CLASS-106-48	c 27	N75-27160 *	US-PATENT-CLASS-117-201	c 18	N71-16068 *	US-PATENT-CLASS-123-DIG.12	c 44	N78-33526 *
US-PATENT-CLASS-106-48	c 27	N78-32260 *	US-PATENT-CLASS-117-201	c 03	N72-24037 *	US-PATENT-CLASS-123-DIG.12	c 28	N80-10374 *
US-PATENT-CLASS-106-50	c 27	N82-29452 *	US-PATENT-CLASS-117-201	c 25	N75-26043 *	US-PATENT-CLASS-123-DIG.8	c 37	N77-31497 *
US-PATENT-CLASS-106-50	c 27	N82-29454 *	US-PATENT-CLASS-117-211	c 15	N72-25447 *	US-PATENT-CLASS-123-1A	c 44	N76-29700 *
US-PATENT-CLASS-106-50	c 27	N82-29455 *	US-PATENT-CLASS-117-212	c 09	N71-20705 *	US-PATENT-CLASS-123-1A	c 44	N78-33526 *
US-PATENT-CLASS-106-52	c 37	N74-21063 *	US-PATENT-CLASS-117-212	c 15	N71-29032 *	US-PATENT-CLASS-123-102	c 11	N72-20244 *
US-PATENT-CLASS-106-52	c 27	N82-29451 *	US-PATENT-CLASS-117-212	c 26	N72-28762 *	US-PATENT-CLASS-123-119A	c 37	N77-31497 *
US-PATENT-CLASS-106-52	c 27	N82-29452 *	US-PATENT-CLASS-117-217	c 15	N72-25447 *	US-PATENT-CLASS-123-119E	c 37	N76-18457 *
US-PATENT-CLASS-106-52	c 27	N82-29454 *	US-PATENT-CLASS-117-217	c 26	N72-28762 *	US-PATENT-CLASS-123-120	c 37	N76-18457 *
US-PATENT-CLASS-106-52	c 27	N82-29455 *	US-PATENT-CLASS-117-21	c 18	N69-39895 *	US-PATENT-CLASS-123-121	c 37	N76-18457 *
US-PATENT-CLASS-106-54	c 27	N75-27160 *	US-PATENT-CLASS-117-224	c 15	N71-28582 *	US-PATENT-CLASS-123-122AB	c 28	N72-22772 *
US-PATENT-CLASS-106-54	c 27	N76-22377 *	US-PATENT-CLASS-117-228	c 06	N73-27980 *	US-PATENT-CLASS-123-122AB	c 37	N77-31497 *
US-PATENT-CLASS-106-54	c 27	N76-23426 *	US-PATENT-CLASS-117-234	c 76	N79-16678 *	US-PATENT-CLASS-123-122E	c 07	N77-23106 *
US-PATENT-CLASS-106-54	c 27	N78-32260 *	US-PATENT-CLASS-117-235	c 76	N79-16678 *	US-PATENT-CLASS-123-122E	c 37	N78-10467 *
US-PATENT-CLASS-106-54	c 27	N82-29452 *	US-PATENT-CLASS-117-237	c 76	N79-16678 *	US-PATENT-CLASS-123-148CB	c 33	N77-28385 *
US-PATENT-CLASS-106-54	c 27	N82-29454 *	US-PATENT-CLASS-117-239	c 76	N79-16678 *	US-PATENT-CLASS-123-148DC	c 37	N79-11405 *
US-PATENT-CLASS-106-55	c 18	N73-14584 *	US-PATENT-CLASS-117-240	c 76	N79-16678 *	US-PATENT-CLASS-123-148E	c 33	N77-28385 *
US-PATENT-CLASS-106-58	c 18	N73-14584 *	US-PATENT-CLASS-117-33.3	c 70	N74-13436 *	US-PATENT-CLASS-123-148E	c 37	N79-11405 *
US-PATENT-CLASS-106-63	c 18	N73-14584 *	US-PATENT-CLASS-117-35R	c 06	N73-13128 *	US-PATENT-CLASS-123-179R	c 28	N80-10374 *
US-PATENT-CLASS-106-65	c 27	N78-19302 *	US-PATENT-CLASS-117-35	c 32	N79-19186 *	US-PATENT-CLASS-123-197R	c 37	N83-36483 *
US-PATENT-CLASS-106-73.5	c 27	N78-19302 *	US-PATENT-CLASS-117-37	c 15	N72-25452 *	US-PATENT-CLASS-123-37	c 37	N77-31497 *
US-PATENT-CLASS-106-74	c 18	N69-39979 *	US-PATENT-CLASS-117-38	c 24	N75-33181 *	US-PATENT-CLASS-123-3	c 44	N76-18642 *
US-PATENT-CLASS-106-74	c 24	N79-31347 *	US-PATENT-CLASS-117-43	c 31	N79-21227 *	US-PATENT-CLASS-123-3	c 44	N76-29700 *
US-PATENT-CLASS-106-84	c 18	N71-24183 *	US-PATENT-CLASS-117-45	c 74	N74-20008 *	US-PATENT-CLASS-123-3	c 44	N77-10636 *
US-PATENT-CLASS-106-84	c 18	N71-24184 *	US-PATENT-CLASS-117-46FS	c 24	N75-33181 *	US-PATENT-CLASS-123-3	c 37	N77-31497 *
US-PATENT-CLASS-106-84	c 18	N72-22566 *	US-PATENT-CLASS-117-46	c 15	N71-16077 *	US-PATENT-CLASS-123-3	c 44	N78-33526 *
US-PATENT-CLASS-106-84	c 18	N72-23581 *	US-PATENT-CLASS-117-47R	c 15	N72-25452 *	US-PATENT-CLASS-123-3	c 28	N80-10374 *
US-PATENT-CLASS-106-84	c 24	N79-14156 *	US-PATENT-CLASS-117-50	c 15	N71-15610 *	US-PATENT-CLASS-123-41.33	c 07	N77-23106 *
US-PATENT-CLASS-106-84	c 24	N79-31347 *	US-PATENT-CLASS-117-62	c 15	N72-25447 *	US-PATENT-CLASS-123-41.33	c 37	N78-10467 *
US-PATENT-CLASS-106-88	c 18	N71-16124 *	US-PATENT-CLASS-117-62	c 15	N72-25452 *	US-PATENT-CLASS-123-59E	c 37	N77-31497 *
US-PATENT-CLASS-108-136	c 09	N75-12968 *	US-PATENT-CLASS-117-65.2	c 18	N71-10772 *	US-PATENT-CLASS-123-78E	c 37	N83-36483 *
US-PATENT-CLASS-109-49.5	c 31	N81-19343 *	US-PATENT-CLASS-117-66	c 15	N73-32360 *	US-PATENT-CLASS-123-89A	c 37	N76-18457 *
US-PATENT-CLASS-109-58.5	c 31	N81-19343 *	US-PATENT-CLASS-117-69	c 18	N70-36400 *	US-PATENT-CLASS-124-11R	c 75	N76-17951 *
US-PATENT-CLASS-110-186	c 25	N84-16276 *	US-PATENT-CLASS-117-69	c 15	N71-16075 *	US-PATENT-CLASS-124-1	c 75	N76-17951 *
US-PATENT-CLASS-110-218	c 31	N81-15154 *	US-PATENT-CLASS-117-6	c 14	N71-20461 *	US-PATENT-CLASS-124-56	c 18	N86-20469 *
US-PATENT-CLASS-110-229	c 31	N81-15154 *	US-PATENT-CLASS-117-6	c 27	N81-15104 *	US-PATENT-CLASS-124-6	c 09	N77-19076 *
US-PATENT-CLASS-110-232	c 31	N81-15154 *	US-PATENT-CLASS-117-72	c 35	N75-25122 *	US-PATENT-CLASS-125-13R	c 37	N85-21650 *
US-PATENT-CLASS-110-234	c 25	N82-11144 *	US-PATENT-CLASS-117-8.5	c 24	N75-33181 *	US-PATENT-CLASS-125-15	c 37	N85-21650 *
US-PATENT-CLASS-110-245	c 25	N82-11144 *	US-PATENT-CLASS-117-93.1GD	c 25	N75-12087 *	US-PATENT-CLASS-125-1	c 46	N74-23069 *
US-PATENT-CLASS-110-255	c 25	N82-11144 *	US-PATENT-CLASS-117-93.1GD	c 15	N72-25447 *	US-PATENT-CLASS-125-20	c 31	N83-27058 *
US-PATENT-CLASS-110-262	c 25	N84-16276 *	US-PATENT-CLASS-117-93.3	c 15	N72-25452 *	US-PATENT-CLASS-125-21	c 37	N80-29703 *
US-PATENT-CLASS-110-263	c 25	N84-16276 *	US-PATENT-CLASS-117-93.3	c 37	N75-15992 *	US-PATENT-CLASS-125-23R	c 76	N80-18951 *
US-PATENT-CLASS-110-265	c 25	N84-16276 *	US-PATENT-CLASS-117-95	c 24	N74-19769 *	US-PATENT-CLASS-125-23R	c 37	N82-32730 *
US-PATENT-CLASS-110-266	c 25	N82-11144 *	US-PATENT-CLASS-117-95	c 36	N75-15029 *	US-PATENT-CLASS-125-3	c 46	N74-23069 *
US-PATENT-CLASS-110-343	c 31	N81-15154 *	US-PATENT-CLASS-117-97	c 36	N75-15029 *	US-PATENT-CLASS-126-DIG.1	c 44	N85-30474 *
US-PATENT-CLASS-110-347	c 31	N81-15154 *	US-PATENT-CLASS-118-11	c 15	N71-17647 *	US-PATENT-CLASS-126-263	c 44	N77-32581 *
US-PATENT-CLASS-112-402	c 18	N71-26285 *	US-PATENT-CLASS-118-300	c 71	N84-16940 *	US-PATENT-CLASS-126-263	c 44	N78-17460 *
US-PATENT-CLASS-113-116	c 15	N71-15597 *	US-PATENT-CLASS-118-308	c 17	N71-24911 *	US-PATENT-CLASS-126-263	c 44	N80-20808 *
US-PATENT-CLASS-114-122	c 02	N73-26006 *	US-PATENT-CLASS-118-313	c 51	N77-27677 *	US-PATENT-CLASS-126-263	c 35	N85-29214 *
US-PATENT-CLASS-114-16.6	c 37	N76-22540 *	US-PATENT-CLASS-118-320	c 37	N82-24492 *	US-PATENT-CLASS-126-270	c 09	N70-40234 *
US-PATENT-CLASS-114-66.5	c 12	N70-33305 *	US-PATENT-CLASS-118-423	c 37	N82-12441 *	US-PATENT-CLASS-126-270	c 03	N70-41580 *
US-PATENT-CLASS-115-103.5	c 51	N75-13502 *	US-PATENT-CLASS-118-43	c 25	N75-21922 *	US-PATENT-CLASS-126-270	c 34	N74-23039 *
US-PATENT-CLASS-116-114.5	c 35	N75-25122 *	US-PATENT-CLASS-118-48	c 25	N75-26043 *	US-PATENT-CLASS-126-270	c 44	N76-14595 *
US-PATENT-CLASS-116-114AH	c 14	N72-25411 *	US-PATENT-CLASS-118-49.1	c 15	N72-32487 *	US-PATENT-CLASS-126-270	c 44	N76-23675 *
US-PATENT-CLASS-116-114AH	c 35	N75-33367 *	US-PATENT-CLASS-118-49.1	c 31	N75-12161 *	US-PATENT-CLASS-126-270	c 44	N76-24696 *
US-PATENT-CLASS-116-117	c 14	N70-42074 *	US-PATENT-CLASS-118-49.1	c 25	N75-26043 *	US-PATENT-CLASS-126-270	c 35	N77-20401 *
US-PATENT-CLASS-117-104	c 18	N71-26100 *	US-PATENT-CLASS-118-49.5	c 09	N71-26701 *	US-PATENT-CLASS-126-270	c 44	N77-32582 *
US-PATENT-CLASS-117-105.2	c 37	N74-11301 *	US-PATENT-CLASS-118-49	c 25	N79-28253 *	US-PATENT-CLASS-126-270	c 44	N78-15560 *
US-PATENT-CLASS-117-105.2	c 24	N75-33181 *	US-PATENT-CLASS-118-50.1	c 71	N84-16940 *	US-PATENT-CLASS-126-270	c 44	N78-19599 *
US-PATENT-CLASS-117-105.5	c 15	N73-32360 *	US-PATENT-CLASS-118-50.1	c 36	N84-22944 *	US-PATENT-CLASS-126-270	c 44	N78-31526 *
US-PATENT-CLASS-117-105	c 15	N73-32360 *	US-PATENT-CLASS-118-500	c 37	N78-17383 *	US-PATENT-CLASS-126-270	c 44	N79-11471 *
US-PATENT-CLASS-117-106A	c 70	N74-13436 *	US-PATENT-CLASS-118-500	c 37	N82-12441 *	US-PATENT-CLASS-126-270	c 44	N79-14526 *
US-PATENT-CLASS-117-106A	c 37	N75-15992 *	US-PATENT-CLASS-118-500	c 37	N82-24492 *	US-PATENT-CLASS-126-270	c 44	N79-23481 *
US-PATENT-CLASS-117-106A	c 25	N75-26043 *	US-PATENT-CLASS-118-500	c 71	N84-16940 *	US-PATENT-CLASS-126-270	c 44	N79-24432 *
US-PATENT-CLASS-117-106	c 33	N71-14032 *	US-PATENT-CLASS-118-503	c 37	N82-24492 *	US-PATENT-CLASS-126-271	c 44	N75-32581 *
US-PATENT-CLASS-117-107.2	c 25	N75-26043 *	US-PATENT-CLASS-118-503	c 37	N82-24492 *	US-PATENT-CLASS-126-271	c 44	N76-14602 *
US-PATENT-CLASS-117-107	c 15	N72-25447 *	US-PATENT-CLASS-118-50	c 37	N78-17383 *	US-PATENT-CLASS-126-271	c 44	N76-22657 *

US-PATENT-CLASS-126-271	c 44	N76-24696 *	#	US-PATENT-CLASS-128-2.05Z	c 52	N79-18580 *	#	US-PATENT-CLASS-128-305	c 52	N75-33640 *	#
US-PATENT-CLASS-126-271	c 35	N77-20401 *	#	US-PATENT-CLASS-128-2.05	c 05	N70-41329 *	#	US-PATENT-CLASS-128-305	c 52	N78-14773 *	#
US-PATENT-CLASS-126-271	c 44	N77-32582 *	#	US-PATENT-CLASS-128-2.05	c 04	N71-23185 *	#	US-PATENT-CLASS-128-325	c 52	N84-28388 *	#
US-PATENT-CLASS-126-271	c 44	N78-10554 *	#	US-PATENT-CLASS-128-2.05	c 05	N71-27234 *	#	US-PATENT-CLASS-128-327	c 52	N82-11770 *	#
US-PATENT-CLASS-126-271	c 44	N78-17460 *	#	US-PATENT-CLASS-128-2.06B	c 05	N75-24716 *	#	US-PATENT-CLASS-128-328	c 52	N84-34913 *	#
US-PATENT-CLASS-126-271	c 44	N78-31525 *	#	US-PATENT-CLASS-128-2.06E	c 52	N76-29896 *	#	US-PATENT-CLASS-128-329R	c 52	N79-27836 *	#
US-PATENT-CLASS-126-271	c 44	N78-31526 *	#	US-PATENT-CLASS-128-2.06F	c 52	N74-12778 *	#	US-PATENT-CLASS-128-346	c 52	N81-25660 *	#
US-PATENT-CLASS-126-271	c 44	N79-11471 *	#	US-PATENT-CLASS-128-2.06R	c 05	N73-27941 *	#	US-PATENT-CLASS-128-346	c 52	N84-11744 *	#
US-PATENT-CLASS-126-271	c 44	N79-14526 *	#	US-PATENT-CLASS-128-2.06R	c 52	N76-14757 *	#	US-PATENT-CLASS-128-346	c 52	N84-28388 *	#
US-PATENT-CLASS-126-271	c 44	N79-14529 *	#	US-PATENT-CLASS-128-2.06	c 05	N69-21925 *	#	US-PATENT-CLASS-128-348	c 52	N80-16725 *	#
US-PATENT-CLASS-126-271	c 44	N79-18443 *	#	US-PATENT-CLASS-128-2.06	c 05	N71-22896 *	#	US-PATENT-CLASS-128-379	c 52	N77-14736 *	#
US-PATENT-CLASS-126-271	c 44	N79-23481 *	#	US-PATENT-CLASS-128-2.06	c 09	N71-24618 *	#	US-PATENT-CLASS-128-38	c 54	N84-16803 *	#
US-PATENT-CLASS-126-271	c 44	N79-24433 *	#	US-PATENT-CLASS-128-2.06	c 05	N71-26293 *	#	US-PATENT-CLASS-128-400	c 52	N77-14736 *	#
US-PATENT-CLASS-126-400	c 44	N78-15560 *	#	US-PATENT-CLASS-128-2.07	c 05	N73-32015 *	#	US-PATENT-CLASS-128-402	c 05	N72-20096 *	#
US-PATENT-CLASS-126-400	c 44	N79-24433 *	#	US-PATENT-CLASS-128-2.07	c 52	N74-20728 *	#	US-PATENT-CLASS-128-402	c 52	N77-14736 *	#
US-PATENT-CLASS-126-400	c 44	N85-30474 *	#	US-PATENT-CLASS-128-2.08	c 05	N69-21473 *	#	US-PATENT-CLASS-128-410	c 52	N77-28717 *	#
US-PATENT-CLASS-126-415	c 44	N84-34792 *	#	US-PATENT-CLASS-128-2.08	c 05	N73-32015 *	#	US-PATENT-CLASS-128-417	c 05	N72-25120 *	#
US-PATENT-CLASS-126-415	c 44	N85-30474 *	#	US-PATENT-CLASS-128-2.08	c 52	N74-20728 *	#	US-PATENT-CLASS-128-417	c 05	N72-27103 *	#
US-PATENT-CLASS-126-417	c 44	N80-16452 *	#	US-PATENT-CLASS-128-2.1A	c 09	N72-17153 *	#	US-PATENT-CLASS-128-418	c 52	N76-29896 *	#
US-PATENT-CLASS-126-417	c 34	N84-22903 *	#	US-PATENT-CLASS-128-2.1A	c 09	N72-22202 *	#	US-PATENT-CLASS-128-418	c 52	N77-14738 *	#
US-PATENT-CLASS-126-418	c 44	N84-28204 *	#	US-PATENT-CLASS-128-2.1A	c 52	N74-26625 *	#	US-PATENT-CLASS-128-419P	c 52	N76-29896 *	#
US-PATENT-CLASS-126-418	c 44	N86-27706 *	#	US-PATENT-CLASS-128-2.1A	c 52	N76-14757 *	#	US-PATENT-CLASS-128-421	c 52	N82-39863 *	#
US-PATENT-CLASS-126-419	c 44	N80-20810 *	#	US-PATENT-CLASS-128-2.1A	c 52	N76-29894 *	#	US-PATENT-CLASS-128-422	c 52	N82-33996 *	#
US-PATENT-CLASS-126-419	c 44	N81-17518 *	#	US-PATENT-CLASS-128-2.1A	c 52	N79-18580 *	#	US-PATENT-CLASS-128-62A	c 52	N82-29862 *	#
US-PATENT-CLASS-126-419	c 44	N84-28203 *	#	US-PATENT-CLASS-128-2.1E	c 05	N72-27103 *	#	US-PATENT-CLASS-128-639	c 52	N79-27836 *	#
US-PATENT-CLASS-126-419	c 44	N85-30474 *	#	US-PATENT-CLASS-128-2.1E	c 35	N76-24525 *	#	US-PATENT-CLASS-128-642	c 52	N80-20702 *	#
US-PATENT-CLASS-126-419	c 44	N86-27706 *	#	US-PATENT-CLASS-128-2.1E	c 52	N77-28717 *	#	US-PATENT-CLASS-128-642	c 52	N81-14612 *	#
US-PATENT-CLASS-126-422	c 44	N82-18686 *	#	US-PATENT-CLASS-128-2.1R	c 05	N73-26072 *	#	US-PATENT-CLASS-128-642	c 52	N81-20703 *	#
US-PATENT-CLASS-126-429	c 44	N82-18686 *	#	US-PATENT-CLASS-128-2.1Z	c 35	N76-24525 *	#	US-PATENT-CLASS-128-660	c 52	N79-26771 *	#
US-PATENT-CLASS-126-430	c 44	N82-18686 *	#	US-PATENT-CLASS-128-2.1	c 05	N71-11193 *	#	US-PATENT-CLASS-128-660	c 52	N83-27578 *	#
US-PATENT-CLASS-126-434	c 44	N80-20810 *	#	US-PATENT-CLASS-128-2.1	c 05	N71-12346 *	#	US-PATENT-CLASS-128-660	c 52	N85-30618 *	#
US-PATENT-CLASS-126-437	c 44	N80-20810 *	#	US-PATENT-CLASS-128-2.1	c 05	N71-24729 *	#	US-PATENT-CLASS-128-663	c 52	N83-27578 *	#
US-PATENT-CLASS-126-438	c 44	N80-14473 *	#	US-PATENT-CLASS-128-2.1	c 09	N71-26002 *	#	US-PATENT-CLASS-128-665	c 52	N81-27783 *	#
US-PATENT-CLASS-126-438	c 44	N82-16475 *	#	US-PATENT-CLASS-128-2.1	c 05	N72-25120 *	#	US-PATENT-CLASS-128-666	c 52	N80-23969 *	#
US-PATENT-CLASS-126-438	c 44	N84-28203 *	#	US-PATENT-CLASS-128-2F	c 54	N76-14804 *	#	US-PATENT-CLASS-128-686	c 52	N82-11770 *	#
US-PATENT-CLASS-126-438	c 44	N84-28204 *	#	US-PATENT-CLASS-128-2H	c 52	N76-14757 *	#	US-PATENT-CLASS-128-690	c 52	N80-23969 *	#
US-PATENT-CLASS-126-438	c 44	N86-27706 *	#	US-PATENT-CLASS-128-2H	c 52	N76-29894 *	#	US-PATENT-CLASS-128-691	c 52	N82-11770 *	#
US-PATENT-CLASS-126-440	c 44	N84-28204 *	#	US-PATENT-CLASS-128-2H	c 52	N77-10780 *	#	US-PATENT-CLASS-128-6	c 52	N80-16725 *	#
US-PATENT-CLASS-126-442	c 44	N80-14473 *	#	US-PATENT-CLASS-128-2H	c 52	N77-14736 *	#	US-PATENT-CLASS-128-736	c 52	N85-30618 *	#
US-PATENT-CLASS-126-451	c 44	N84-28203 *	#	US-PATENT-CLASS-128-2N	c 05	N72-25122 *	#	US-PATENT-CLASS-128-748	c 52	N80-18691 *	#
US-PATENT-CLASS-126-900	c 44	N85-30474 *	#	US-PATENT-CLASS-128-2N	c 05	N73-13114 *	#	US-PATENT-CLASS-128-760	c 52	N80-18690 *	#
US-PATENT-CLASS-126-901	c 44	N80-16452 *	#	US-PATENT-CLASS-128-2P	c 52	N76-29894 *	#	US-PATENT-CLASS-128-760	c 52	N81-29763 *	#
US-PATENT-CLASS-126-901	c 44	N83-34449 *	#	US-PATENT-CLASS-128-2R	c 09	N72-22202 *	#	US-PATENT-CLASS-128-761	c 52	N81-24711 *	#
US-PATENT-CLASS-126-91A	c 25	N79-11151 *	#	US-PATENT-CLASS-128-2R	c 52	N79-12694 *	#	US-PATENT-CLASS-128-774	c 52	N80-20702 *	#
US-PATENT-CLASS-128.2.06E	c 05	N75-24716 *	#	US-PATENT-CLASS-128-2S	c 52	N74-10975 *	#	US-PATENT-CLASS-128-774	c 52	N81-20703 *	#
US-PATENT-CLASS-128.2.07	c 52	N79-21750 *	#	US-PATENT-CLASS-128-2S	c 52	N74-27864 *	#	US-PATENT-CLASS-128-774	c 52	N83-25346 *	#
US-PATENT-CLASS-128-DIG.12	c 37	N77-28487 *	#	US-PATENT-CLASS-128-2S	c 33	N75-31329 *	#	US-PATENT-CLASS-128-778	c 52	N82-22875 *	#
US-PATENT-CLASS-128-DIG.12	c 51	N81-14605 *	#	US-PATENT-CLASS-128-2S	c 33	N76-19338 *	#	US-PATENT-CLASS-128-782	c 52	N80-20702 *	#
US-PATENT-CLASS-128-DIG.13	c 52	N83-27577 *	#	US-PATENT-CLASS-128-2S	c 52	N76-29895 *	#	US-PATENT-CLASS-128-782	c 39	N83-20280 *	#
US-PATENT-CLASS-128-DIG.16	c 51	N81-14605 *	#	US-PATENT-CLASS-128-2S	c 52	N76-29896 *	#	US-PATENT-CLASS-128-782	c 52	N83-25346 *	#
US-PATENT-CLASS-128-DIG.20	c 52	N76-19785 *	#	US-PATENT-CLASS-128-2V	c 52	N74-20726 *	#	US-PATENT-CLASS-128-784	c 52	N82-33996 *	#
US-PATENT-CLASS-128-DIG.20	c 37	N81-17433 *	#	US-PATENT-CLASS-128-2V	c 35	N75-12271 *	#	US-PATENT-CLASS-128-80-E	c 54	N86-22112 *	#
US-PATENT-CLASS-128-DIG.25	c 52	N81-25660 *	#	US-PATENT-CLASS-128-2V	c 54	N75-27760 *	#	US-PATENT-CLASS-128-80F	c 52	N81-25661 *	#
US-PATENT-CLASS-128-DIG.25	c 52	N84-11744 *	#	US-PATENT-CLASS-128-2V	c 52	N79-14751 *	#	US-PATENT-CLASS-128-804	c 52	N82-33996 *	#
US-PATENT-CLASS-128-DIG.26	c 51	N81-14605 *	#	US-PATENT-CLASS-128-2V	c 52	N79-18580 *	#	US-PATENT-CLASS-128-89R	c 52	N81-25662 *	#
US-PATENT-CLASS-128-DIG.4	c 05	N72-27103 *	#	US-PATENT-CLASS-128-202.11	c 54	N86-28618 *	#	US-PATENT-CLASS-128-903	c 52	N80-18691 *	#
US-PATENT-CLASS-128-DIG.4	c 05	N75-24716 *	#	US-PATENT-CLASS-128-203	c 54	N76-24900 *	#	US-PATENT-CLASS-128-92C	c 27	N78-17215 *	#
US-PATENT-CLASS-128-DIG.4	c 35	N76-24525 *	#	US-PATENT-CLASS-128-204.18	c 51	N81-14605 *	#	US-PATENT-CLASS-128-92G	c 27	N78-17215 *	#
US-PATENT-CLASS-128-DIG.4	c 52	N77-28717 *	#	US-PATENT-CLASS-128-206F	c 14	N73-24473 *	#	US-PATENT-CLASS-129-16.7	c 08	N71-15908 *	#
US-PATENT-CLASS-128-DIG.6	c 51	N81-14605 *	#	US-PATENT-CLASS-128-207.14	c 51	N81-14605 *	#	US-PATENT-CLASS-13-20	c 11	N72-23215 *	#
US-PATENT-CLASS-128-DIG.9	c 52	N80-16725 *	#	US-PATENT-CLASS-128-207.28	c 51	N81-14605 *	#	US-PATENT-CLASS-13-20	c 12	N79-26075 *	#
US-PATENT-CLASS-128-DIG.9	c 51	N81-14605 *	#	US-PATENT-CLASS-128-212	c 54	N80-10799 *	#	US-PATENT-CLASS-13-22	c 12	N79-26075 *	#
US-PATENT-CLASS-128-1.2	c 52	N82-22875 *	#	US-PATENT-CLASS-128-214D	c 52	N79-14749 *	#	US-PATENT-CLASS-13-24	c 12	N79-26075 *	#
US-PATENT-CLASS-128-1A	c 05	N73-32012 *	#	US-PATENT-CLASS-128-214E	c 52	N74-22771 *	#	US-PATENT-CLASS-13-26	c 33	N71-15625 *	#
US-PATENT-CLASS-128-1A	c 54	N84-16803 *	#	US-PATENT-CLASS-128-214F	c 37	N77-28487 *	#	US-PATENT-CLASS-13-26	c 14	N71-23267 *	#
US-PATENT-CLASS-128-1R	c 52	N77-25772 *	#	US-PATENT-CLASS-128-230	c 52	N75-33640 *	#	US-PATENT-CLASS-13-31	c 11	N72-23215 *	#
US-PATENT-CLASS-128-1R	c 52	N77-28716 *	#	US-PATENT-CLASS-128-236	c 51	N81-14605 *	#	US-PATENT-CLASS-13-31	c 31	N74-27900 *	#
US-PATENT-CLASS-128-1R	c 52	N81-25660 *	#	US-PATENT-CLASS-129.24.A	c 52	N84-34013 *	#	US-PATENT-CLASS-13-35	c 33	N71-24145 *	#
US-PATENT-CLASS-128-1R	c 52	N84-11744 *	#	US-PATENT-CLASS-128-24A	c 05	N73-27062 *	#	US-PATENT-CLASS-134-137	c 37	N82-12441 *	#
US-PATENT-CLASS-128-142.2	c 54	N76-24900 *	#	US-PATENT-CLASS-128-24A	c 54	N75-27760 *	#	US-PATENT-CLASS-134-166C	c 37	N87-17035 *	#
US-PATENT-CLASS-128-142.5	c 05	N71-11190 *	#	US-PATENT-CLASS-128-24	c 05	N71-24738 *	#	US-PATENT-CLASS-134-17	c 43	N81-26509 *	#
US-PATENT-CLASS-128-142.5	c 05	N71-11203 *	#	US-PATENT-CLASS-128-25R	c 37	N74-18127 *	#	US-PATENT-CLASS-134-21	c 37	N76-18456 *	#
US-PATENT-CLASS-128-142.5	c 05	N71-17599 *	#	US-PATENT-CLASS-128-25	c 05	N71-24738 *	#	US-PATENT-CLASS-134-37	c 37	N76-18456 *	#
US-PATENT-CLASS-128-142.5	c 05	N72-20096 *	#	US-PATENT-CLASS-128-26	c 52	N76-19785 *	#	US-PATENT-CLASS-134-37	c 37	N85-21652 *	#
US-PATENT-CLASS-128-142.5	c 05	N73-25125 *	#	US-PATENT-CLASS-128-272	c 15	N71-24835 *	#	US-PATENT-CLASS-134-93	c 37	N87-17035 *	#
US-PATENT-CLASS-128-142.7	c 54	N78-32721 *	#	US-PATENT-CLASS-128-272	c 52	N79-14749 *	#	US-PATENT-CLASS-135-1	c 32	N70-36536 *	#
US-PATENT-CLASS-128-142R	c 54	N80-10799 *	#	US-PATENT-CLASS-128-275	c 15	N71-24835 *	#	US-PATENT-CLASS-135-903	c 37	N87-17036 *	#
US-PATENT-CLASS-128-145.8	c 54	N75-27761 *	#	US-PATENT-CLASS-128-275	c 52	N81-29763 *	#	US-PATENT-CLASS-136-100R	c 03	N72-20034 *	#
US-PATENT-CLASS-128-15R	c 54	N84-16803 *	#	US-PATENT-CLASS-128-276	c 52	N80-14684 *	#	US-PATENT-CLASS-136-114	c 44	N76-14601 *	#
US-PATENT-CLASS-128-191R	c 25	N74-12813 *	#	US-PATENT-CLASS-128-276	c 52	N80-18690 *	#	US-PATENT-CLASS-136-132	c 03	N71-11053 *	#
US-PATENT-CLASS-128-191R	c 54	N80-10799 *	#	US-PATENT-CLASS-128-280	c 24	N82-29362 *	#	US-PATENT-CLASS-136-132	c 03	N71-22974 *	#
US-PATENT-CLASS-128-1	c 05	N70-41819 *	#	US-PATENT-CLASS-128-283	c 05	N69-23192 *	#	US-PATENT-CLASS-136-133	c 15	N69-24320 *	#
US-PATENT-CLASS-128-1	c 05	N71-20268 *	#	US-PATENT-CLASS-128-283	c 24	N82-29362 *	#	US-PATENT-CLASS-136-133	c 03	N71-23006 *	#
US-PATENT-CLASS-128-2.05A	c 52	N74-26626 *	#	US-PATENT-CLASS-128-284	c 24	N82-29362 *	#	US-PATENT-CLASS-136-133	c 03	N72-15986 *	#
US-PATENT-CLASS-128-2.05A	c 54	N75-13531 *	#	US-PATENT-CLASS-128-285	c 24	N82-29362 *	#	US-PATENT-CLASS-136-135	c 03	N72-15986 *	#
US-PATENT-CLASS-128-2.05E	c 52	N74-27566 *	#	US-PATENT-CLASS-128-288	c 24	N82-29362 *	#	US-PATENT-CLASS-136-143	c 44	N76-29699 *	#
US-PATENT-CLASS-128-2.05E	c 52	N76-29896 *	#	US-PATENT-CLASS-128-291	c 24	N82-29362 *	#	US-PATENT-CLASS-136-146	c 03		

REPORT NUMBER INDEX

US-PATENT-CLASS-148-127

US-PATENT-CLASS-136-182	c 03	N71-10728 *	#	US-PATENT-CLASS-136-89H	c 44	N78-25529 *	#	US-PATENT-CLASS-137-559	c 11	N73-12265 *	#
US-PATENT-CLASS-136-182	c 03	N71-20407 *	#	US-PATENT-CLASS-136-89PC	c 44	N79-25482 *	#	US-PATENT-CLASS-137-574	c 20	N80-10278 *	#
US-PATENT-CLASS-136-182	c 03	N71-20491 *	#	US-PATENT-CLASS-136-89PC	c 44	N79-31753 *	#	US-PATENT-CLASS-137-576	c 20	N80-10278 *	#
US-PATENT-CLASS-136-182	c 44	N74-27519 *	#	US-PATENT-CLASS-136-89P	c 44	N77-31601 *	#	US-PATENT-CLASS-137-582	c 32	N71-16103 *	#
US-PATENT-CLASS-136-182	c 44	N76-14601 *	#	US-PATENT-CLASS-136-89P	c 44	N78-25528 *	#	US-PATENT-CLASS-137-582	c 32	N71-16106 *	#
US-PATENT-CLASS-136-202	c 09	N72-12136 *	#	US-PATENT-CLASS-136-89P	c 44	N78-25529 *	#	US-PATENT-CLASS-137-582	c 15	N71-19569 *	#
US-PATENT-CLASS-136-202	c 03	N72-26031 *	#	US-PATENT-CLASS-136-89P	c 44	N78-27515 *	#	US-PATENT-CLASS-137-582	c 15	N73-26472 *	#
US-PATENT-CLASS-136-202	c 44	N76-16612 *	#	US-PATENT-CLASS-136-89P	c 44	N79-17314 *	#	US-PATENT-CLASS-137-590	c 20	N80-10278 *	#
US-PATENT-CLASS-136-202	c 35	N77-32454 *	#	US-PATENT-CLASS-136-89P	c 44	N80-14474 *	#	US-PATENT-CLASS-137-594	c 12	N71-18615 *	#
US-PATENT-CLASS-136-202	c 35	N79-14346 *	#	US-PATENT-CLASS-136-89SG	c 44	N78-24609 *	#	US-PATENT-CLASS-137-604	c 15	N73-27406 *	#
US-PATENT-CLASS-136-206	c 03	N72-11062 *	#	US-PATENT-CLASS-136-89SG	c 44	N80-24741 *	#	US-PATENT-CLASS-137-608	c 15	N73-13462 *	#
US-PATENT-CLASS-136-206	c 09	N72-12136 *	#	US-PATENT-CLASS-136-89SJ	c 44	N78-13526 *	#	US-PATENT-CLASS-137-614.06	c 37	N79-11402 *	#
US-PATENT-CLASS-136-206	c 44	N76-14595 *	#	US-PATENT-CLASS-136-89SJ	c 44	N79-11467 *	#	US-PATENT-CLASS-137-614	c 15	N70-36492 *	#
US-PATENT-CLASS-136-206	c 44	N76-31666 *	#	US-PATENT-CLASS-136-89SJ	c 44	N79-14528 *	#	US-PATENT-CLASS-137-615	c 12	N71-16031 *	#
US-PATENT-CLASS-136-210	c 44	N74-19693 *	#	US-PATENT-CLASS-136-89SJ	c 44	N79-25482 *	#	US-PATENT-CLASS-137-624.11	c 35	N78-19466 *	#
US-PATENT-CLASS-136-210	c 44	N76-16612 *	#	US-PATENT-CLASS-136-89	c 03	N69-24267 *	#	US-PATENT-CLASS-137-624.14	c 03	N69-21469 *	#
US-PATENT-CLASS-136-211	c 35	N76-15434 *	#	US-PATENT-CLASS-136-89	c 03	N71-11049 *	#	US-PATENT-CLASS-137-625.38	c 37	N78-25426 *	#
US-PATENT-CLASS-136-212	c 35	N76-15434 *	#	US-PATENT-CLASS-136-89	c 03	N71-11050 *	#	US-PATENT-CLASS-137-625.3	c 37	N78-25426 *	#
US-PATENT-CLASS-136-213	c 14	N69-27459 *	#	US-PATENT-CLASS-136-89	c 03	N71-11056 *	#	US-PATENT-CLASS-137-625.4	c 37	N80-23654 *	#
US-PATENT-CLASS-136-213	c 34	N74-27861 *	#	US-PATENT-CLASS-136-89	c 03	N71-18698 *	#	US-PATENT-CLASS-137-625.5	c 15	N71-23051 *	#
US-PATENT-CLASS-136-224	c 14	N73-12447 *	#	US-PATENT-CLASS-136-89	c 03	N71-19545 *	#	US-PATENT-CLASS-137-625.69	c 15	N70-36908 *	#
US-PATENT-CLASS-136-225	c 14	N73-24472 *	#	US-PATENT-CLASS-136-89	c 03	N71-20492 *	#	US-PATENT-CLASS-137-628	c 37	N74-21065 *	#
US-PATENT-CLASS-136-225	c 35	N76-15434 *	#	US-PATENT-CLASS-136-89	c 03	N71-20895 *	#	US-PATENT-CLASS-137-637.05	c 37	N79-11402 *	#
US-PATENT-CLASS-136-225	c 44	N85-21768 *	#	US-PATENT-CLASS-136-89	c 26	N71-23043 *	#	US-PATENT-CLASS-137-81.5	c 12	N69-21466 *	#
US-PATENT-CLASS-136-227	c 09	N72-12136 *	#	US-PATENT-CLASS-136-89	c 03	N71-23187 *	#	US-PATENT-CLASS-137-81.5	c 15	N71-15609 *	#
US-PATENT-CLASS-136-228	c 33	N71-15568 *	#	US-PATENT-CLASS-136-89	c 03	N71-23449 *	#	US-PATENT-CLASS-137-81.5	c 12	N71-17578 *	#
US-PATENT-CLASS-136-230	c 14	N71-23039 *	#	US-PATENT-CLASS-136-89	c 03	N71-33409 *	#	US-PATENT-CLASS-137-81.5	c 12	N71-17579 *	#
US-PATENT-CLASS-136-230	c 34	N74-27861 *	#	US-PATENT-CLASS-136-89	c 03	N72-20031 *	#	US-PATENT-CLASS-137-81.5	c 10	N71-25899 *	#
US-PATENT-CLASS-136-232	c 35	N77-14409 *	#	US-PATENT-CLASS-136-89	c 03	N72-22042 *	#	US-PATENT-CLASS-137-81.5	c 12	N71-27332 *	#
US-PATENT-CLASS-136-233	c 14	N72-27410 *	#	US-PATENT-CLASS-136-89	c 31	N72-22874 *	#	US-PATENT-CLASS-137-81.5	c 12	N71-28741 *	#
US-PATENT-CLASS-136-233	c 14	N73-13417 *	#	US-PATENT-CLASS-136-89	c 03	N72-24037 *	#	US-PATENT-CLASS-137-81.5	c 28	N72-22772 *	#
US-PATENT-CLASS-136-233	c 34	N74-27861 *	#	US-PATENT-CLASS-136-89	c 09	N72-25259 *	#	US-PATENT-CLASS-137-81.5	c 15	N72-33477 *	#
US-PATENT-CLASS-136-233	c 35	N77-14409 *	#	US-PATENT-CLASS-136-89	c 03	N72-27053 *	#	US-PATENT-CLASS-137-81.5	c 15	N73-13462 *	#
US-PATENT-CLASS-136-236R	c 35	N77-32454 *	#	US-PATENT-CLASS-136-89	c 09	N73-32109 *	#	US-PATENT-CLASS-137-81.5	c 28	N73-13773 *	#
US-PATENT-CLASS-136-236	c 35	N79-14346 *	#	US-PATENT-CLASS-136-89	c 44	N74-14784 *	#	US-PATENT-CLASS-137-819	c 33	N74-11050 *	#
US-PATENT-CLASS-136-240	c 35	N77-32454 *	#	US-PATENT-CLASS-136-89	c 44	N76-14600 *	#	US-PATENT-CLASS-137-81	c 05	N72-20097 *	#
US-PATENT-CLASS-136-246	c 44	N85-21768 *	#	US-PATENT-CLASS-136-89	c 44	N76-28635 *	#	US-PATENT-CLASS-137-81	c 14	N73-13418 *	#
US-PATENT-CLASS-136-249	c 44	N81-12542 *	#	US-PATENT-CLASS-136-89	c 44	N76-31666 *	#	US-PATENT-CLASS-137-833	c 33	N74-11050 *	#
US-PATENT-CLASS-136-249	c 44	N82-29709 *	#	US-PATENT-CLASS-136-89	c 44	N77-10635 *	#	US-PATENT-CLASS-137-838	c 71	N84-28568 *	#
US-PATENT-CLASS-136-249	c 44	N82-31764 *	#	US-PATENT-CLASS-136-89	c 44	N77-14580 *	#	US-PATENT-CLASS-137-840	c 33	N74-11050 *	#
US-PATENT-CLASS-136-249	c 44	N83-32177 *	#	US-PATENT-CLASS-136-89	c 44	N77-19571 *	#	US-PATENT-CLASS-137-886	c 37	N81-17433 *	#
US-PATENT-CLASS-136-249	c 44	N87-17399 *	#	US-PATENT-CLASS-136-89	c 44	N79-11468 *	#	US-PATENT-CLASS-137-887	c 37	N81-17433 *	#
US-PATENT-CLASS-136-24	c 09	N73-32108 *	#	US-PATENT-CLASS-136-90	c 44	N76-14601 *	#	US-PATENT-CLASS-137-99	c 37	N85-34403 *	#
US-PATENT-CLASS-136-253	c 44	N85-34441 *	#	US-PATENT-CLASS-137-DIG.9	c 54	N76-24900 *	#	US-PATENT-CLASS-138.8R	c 27	N81-15104 *	#
US-PATENT-CLASS-136-255	c 44	N81-29525 *	#	US-PATENT-CLASS-137-101	c 07	N77-23106 *	#	US-PATENT-CLASS-138-103	c 52	N80-16725 *	#
US-PATENT-CLASS-136-255	c 44	N83-14692 *	#	US-PATENT-CLASS-137-104	c 37	N78-10467 *	#	US-PATENT-CLASS-138-113	c 34	N75-12222 *	#
US-PATENT-CLASS-136-255	c 33	N85-21492 *	#	US-PATENT-CLASS-137-110	c 54	N76-24900 *	#	US-PATENT-CLASS-138-114	c 34	N75-12222 *	#
US-PATENT-CLASS-136-255	c 44	N85-30475 *	#	US-PATENT-CLASS-137-116.3	c 37	N85-34403 *	#	US-PATENT-CLASS-138-119	c 32	N70-41579 *	#
US-PATENT-CLASS-136-255	c 76	N86-20150 *	#	US-PATENT-CLASS-137-13	c 15	N71-15967 *	#	US-PATENT-CLASS-138-120	c 54	N86-28619 *	#
US-PATENT-CLASS-136-256	c 44	N83-13579 *	#	US-PATENT-CLASS-137-13	c 15	N72-33477 *	#	US-PATENT-CLASS-138-120	c 54	N86-28620 *	#
US-PATENT-CLASS-136-256	c 44	N83-14692 *	#	US-PATENT-CLASS-137-14	c 37	N79-33468 *	#	US-PATENT-CLASS-138-120	c 54	N86-29507 *	#
US-PATENT-CLASS-136-256	c 44	N85-20530 *	#	US-PATENT-CLASS-137-15.1	c 02	N74-20646 *	#	US-PATENT-CLASS-138-133	c 52	N80-16725 *	#
US-PATENT-CLASS-136-256	c 44	N85-30475 *	#	US-PATENT-CLASS-137-15.1	c 07	N74-31270 *	#	US-PATENT-CLASS-138-148	c 34	N75-12222 *	#
US-PATENT-CLASS-136-258	c 44	N81-19558 *	#	US-PATENT-CLASS-137-15.1	c 07	N75-24736 *	#	US-PATENT-CLASS-138-178	c 15	N72-20445 *	#
US-PATENT-CLASS-136-258	c 44	N81-29525 *	#	US-PATENT-CLASS-137-15.1	c 07	N77-18154 *	#	US-PATENT-CLASS-138-33	c 52	N80-16725 *	#
US-PATENT-CLASS-136-259	c 44	N83-13579 *	#	US-PATENT-CLASS-137-15.1	c 07	N79-14096 *	#	US-PATENT-CLASS-138-42	c 15	N71-15608 *	#
US-PATENT-CLASS-136-259	c 44	N83-14692 *	#	US-PATENT-CLASS-137-15.1	c 05	N79-24976 *	#	US-PATENT-CLASS-138-42	c 44	N84-14583 *	#
US-PATENT-CLASS-136-261	c 44	N82-26777 *	#	US-PATENT-CLASS-137-15.1	c 07	N81-14999 *	#	US-PATENT-CLASS-138-43	c 15	N71-19213 *	#
US-PATENT-CLASS-136-261	c 44	N85-30475 *	#	US-PATENT-CLASS-137-15.2	c 02	N74-20646 *	#	US-PATENT-CLASS-138-45	c 15	N71-18580 *	#
US-PATENT-CLASS-136-261	c 44	N86-32875 *	#	US-PATENT-CLASS-137-15.2	c 35	N76-14431 *	#	US-PATENT-CLASS-138-45	c 15	N73-13462 *	#
US-PATENT-CLASS-136-262	c 44	N81-29525 *	#	US-PATENT-CLASS-137-154	c 15	N73-27406 *	#	US-PATENT-CLASS-138-46	c 12	N71-18615 *	#
US-PATENT-CLASS-136-262	c 76	N86-20150 *	#	US-PATENT-CLASS-137-177	c 20	N80-10278 *	#	US-PATENT-CLASS-138-4	c 15	N71-18580 *	#
US-PATENT-CLASS-136-28	c 03	N71-10608 *	#	US-PATENT-CLASS-137-197	c 15	N70-41646 *	#	US-PATENT-CLASS-138-96R	c 37	N79-22474 *	#
US-PATENT-CLASS-136-290	c 44	N82-26777 *	#	US-PATENT-CLASS-137-197	c 35	N78-12390 *	#	US-PATENT-CLASS-138-97	c 37	N86-32736 *	#
US-PATENT-CLASS-136-291	c 44	N81-12542 *	#	US-PATENT-CLASS-137-1	c 12	N70-38997 *	#	US-PATENT-CLASS-139-425R	c 28	N72-11708 *	#
US-PATENT-CLASS-136-30	c 44	N74-19693 *	#	US-PATENT-CLASS-137-1	c 15	N73-27406 *	#	US-PATENT-CLASS-140-105	c 15	N72-12408 *	#
US-PATENT-CLASS-136-30	c 44	N76-18643 *	#	US-PATENT-CLASS-137-207	c 34	N77-30399 *	#	US-PATENT-CLASS-140-123	c 15	N71-15918 *	#
US-PATENT-CLASS-136-30	c 44	N76-29699 *	#	US-PATENT-CLASS-137-209	c 34	N77-30399 *	#	US-PATENT-CLASS-140-124	c 15	N71-10809 *	#
US-PATENT-CLASS-136-36	c 44	N74-19692 *	#	US-PATENT-CLASS-137-209	c 20	N80-10278 *	#	US-PATENT-CLASS-141-197	c 35	N78-10428 *	#
US-PATENT-CLASS-136-6LF	c 44	N76-18643 *	#	US-PATENT-CLASS-137-340	c 15	N70-34817 *	#	US-PATENT-CLASS-141-198	c 25	N86-27431 *	#
US-PATENT-CLASS-136-6	c 03	N71-26084 *	#	US-PATENT-CLASS-137-340	c 15	N70-35087 *	#	US-PATENT-CLASS-141-23	c 15	N72-21465 *	#
US-PATENT-CLASS-136-6	c 03	N72-15986 *	#	US-PATENT-CLASS-137-341	c 12	N71-17661 *	#	US-PATENT-CLASS-141-258	c 14	N71-27005 *	#
US-PATENT-CLASS-136-6	c 44	N82-24641 *	#	US-PATENT-CLASS-137-375	c 37	N80-23654 *	#	US-PATENT-CLASS-141-4	c 35	N78-10428 *	#
US-PATENT-CLASS-136-6	c 44	N82-24642 *	#	US-PATENT-CLASS-137-397	c 15	N73-26472 *	#	US-PATENT-CLASS-141-5	c 33	N71-20834 *	#
US-PATENT-CLASS-136-6	c 44	N82-24643 *	#	US-PATENT-CLASS-137-469	c 05	N72-20097 *	#	US-PATENT-CLASS-141-91	c 12	N71-21089 *	#
US-PATENT-CLASS-136-6	c 44	N82-24644 *	#	US-PATENT-CLASS-137-484.2	c 34	N78-25351 *	#	US-PATENT-CLASS-148-DIG.26	c 76	N85-30922 *	#
US-PATENT-CLASS-136-79	c 03	N72-20032 *	#	US-PATENT-CLASS-137-487.5	c 14	N73-13418 *	#	US-PATENT-CLASS-148-1.5	c 26	N71-10607 *	#
US-PATENT-CLASS-136-81	c 03	N72-20032 *	#	US-PATENT-CLASS-137-491	c 15	N69-21924 *	#	US-PATENT-CLASS-148-1.5	c 26	N71-23654 *	#
US-PATENT-CLASS-136-83R	c 03	N72-20034 *	#	US-PATENT-CLASS-137-493	c 52	N81-25660 *	#	US-PATENT-CLASS-148-1.5	c 76	N74-20329 *	#
US-PATENT-CLASS-136-83R	c 44	N76-18641 *	#	US-PATENT-CLASS-137-495	c 15	N70-38603 *	#	US-PATENT-CLASS-148-1.5	c 44	N80-29835 *	#
US-PATENT-CLASS-136-83	c 03	N71-28579 *	#	US-PATENT-CLASS-137-496	c 15	N71-22706 *	#	US-PATENT-CLASS-148-1.5	c 33	N81-26360 *	#
US-PATENT-CLASS-136-86A	c 44	N76-27664 *	#	US-PATENT-CLASS-137-501	c 34	N78-25351 *	#	US-PATENT-CLASS-148-1.5	c 44	N82-26777 *	#
US-PATENT-CLASS-136-86S	c 44	N76-18641 *	#	US-PATENT-CLASS-137-505.12	c 14	N71-18625 *	#	US-PATENT-CLASS-148-1.5	c 44	N82-29709 *	#
US-PATENT-CLASS-136-86	c 03	N71-11052 *	#	US-PATENT-CLASS-137-505.16	c 34	N78-25351 *	#	US-PATENT-CLASS-148-1.5	c 44	N86-32875 *	#
US-PATENT-CLASS-136-86	c 03	N71-20904 *	#	US-PATENT-CLASS-137-505.25	c 37	N78-25426 *	#	US-PATENT-CLASS-148-11.5R	c 15	N73-13465 *	#
US-PATENT-CLASS-136-86	c 15	N71-23022 *	#	US-PATENT-CLASS-137-505.38	c 37	N75-15050 *	#	US-PATENT-CLASS-148-12.4	c 26	N79-22271 *	#
US-PATENT-CLASS-136-86	c 03	N71-29044 *	#	US-PATENT-CLASS-137-505.42	c 37	N75-15050 *	#	US-PATENT-CLASS-148-12.7A	c 26	N78-24333 *	#
US-PATENT-CLASS-136-89AC											

US-PATENT-CLASS-148-131	c 26	N80-28492 *	#	US-PATENT-CLASS-15-415	c 14	N73-30395 *	#	US-PATENT-CLASS-156-292	c 27	N80-32516 *	#
US-PATENT-CLASS-148-13	c 14	N71-25892 *	#	US-PATENT-CLASS-150-11	c 37	N81-14317 *	#	US-PATENT-CLASS-156-292	c 24	N81-17170 *	#
US-PATENT-CLASS-148-162	c 26	N77-20201 *	#	US-PATENT-CLASS-150-1	c 52	N79-14749 *	#	US-PATENT-CLASS-156-294	c 37	N81-14317 *	#
US-PATENT-CLASS-148-173	c 76	N83-20789 *	#	US-PATENT-CLASS-151-41.76	c 37	N80-23653 *	#	US-PATENT-CLASS-156-294	c 24	N81-29163 *	#
US-PATENT-CLASS-148-174	c 26	N71-29156 *	#	US-PATENT-CLASS-152-11	c 31	N71-18611 *	#	US-PATENT-CLASS-156-294	c 35	N84-12443 *	#
US-PATENT-CLASS-148-174	c 44	N76-28635 *	#	US-PATENT-CLASS-152-225	c 15	N71-27091 *	#	US-PATENT-CLASS-156-295	c 27	N81-14077 *	#
US-PATENT-CLASS-148-174	c 44	N78-24609 *	#	US-PATENT-CLASS-152-250	c 15	N71-27091 *	#	US-PATENT-CLASS-156-300	c 24	N78-17150 *	#
US-PATENT-CLASS-148-174	c 76	N85-30922 *	#	US-PATENT-CLASS-152-330RF	c 37	N81-24443 *	#	US-PATENT-CLASS-156-303	c 44	N80-18550 *	#
US-PATENT-CLASS-148-174	c 76	N87-15882 *	#	US-PATENT-CLASS-152-353G	c 37	N81-24443 *	#	US-PATENT-CLASS-156-304.3	c 27	N84-22748 *	#
US-PATENT-CLASS-148-175	c 25	N75-26043 *	#	US-PATENT-CLASS-152-353R	c 37	N81-24443 *	#	US-PATENT-CLASS-156-304.6	c 27	N84-22748 *	#
US-PATENT-CLASS-148-175	c 76	N76-25049 *	#	US-PATENT-CLASS-152-379.4	c 37	N81-24443 *	#	US-PATENT-CLASS-156-306	c 24	N78-17150 *	#
US-PATENT-CLASS-148-175	c 44	N76-28635 *	#	US-PATENT-CLASS-156.307.7	c 27	N82-11206 *	#	US-PATENT-CLASS-156-307.3	c 27	N82-11206 *	#
US-PATENT-CLASS-148-175	c 44	N82-28780 *	#	US-PATENT-CLASS-156-DIG.6-8	c 76	N79-23798 *	#	US-PATENT-CLASS-156-307.5	c 27	N82-11206 *	#
US-PATENT-CLASS-148-175	c 76	N83-20789 *	#	US-PATENT-CLASS-156-DIG.62	c 76	N77-32919 *	#	US-PATENT-CLASS-156-307	c 27	N86-20561 *	#
US-PATENT-CLASS-148-175	c 76	N85-30922 *	#	US-PATENT-CLASS-156-DIG.62	c 35	N83-24828 *	#	US-PATENT-CLASS-156-308	c 05	N72-25121 *	#
US-PATENT-CLASS-148-175	c 76	N87-15882 *	#	US-PATENT-CLASS-156-DIG.62	c 33	N85-29142 *	#	US-PATENT-CLASS-156-309.9	c 27	N86-20561 *	#
US-PATENT-CLASS-148-187	c 26	N72-17820 *	#	US-PATENT-CLASS-156-DIG.64	c 76	N79-11920 *	#	US-PATENT-CLASS-156-309	c 31	N74-18089 *	#
US-PATENT-CLASS-148-187	c 14	N72-28438 *	#	US-PATENT-CLASS-156-DIG.64	c 44	N80-24741 *	#	US-PATENT-CLASS-156-309	c 27	N78-17205 *	#
US-PATENT-CLASS-148-187	c 33	N81-26360 *	#	US-PATENT-CLASS-156-DIG.64	c 76	N80-32245 *	#	US-PATENT-CLASS-156-311	c 24	N78-17150 *	#
US-PATENT-CLASS-148-187	c 35	N87-14671 *	#	US-PATENT-CLASS-156-DIG.64	c 76	N84-35113 *	#	US-PATENT-CLASS-156-312	c 44	N80-18550 *	#
US-PATENT-CLASS-148-188	c 24	N71-10560 *	#	US-PATENT-CLASS-156-DIG.65	c 76	N79-11920 *	#	US-PATENT-CLASS-156-315	c 27	N82-24340 *	#
US-PATENT-CLASS-148-188	c 09	N71-12513 *	#	US-PATENT-CLASS-156-DIG.65	c 76	N85-30922 *	#	US-PATENT-CLASS-156-320	c 15	N72-11392 *	#
US-PATENT-CLASS-148-188	c 44	N79-11468 *	#	US-PATENT-CLASS-156-DIG.6	c 76	N83-35888 *	#	US-PATENT-CLASS-156-323	c 27	N81-14077 *	#
US-PATENT-CLASS-148-188	c 35	N87-14671 *	#	US-PATENT-CLASS-156-DIG.73	c 76	N83-35888 *	#	US-PATENT-CLASS-156-329	c 27	N82-24566 *	#
US-PATENT-CLASS-148-189	c 35	N87-14671 *	#	US-PATENT-CLASS-156-DIG.73	c 27	N83-36220 *	#	US-PATENT-CLASS-156-330	c 24	N81-14000 *	#
US-PATENT-CLASS-148-190	c 35	N87-14671 *	#	US-PATENT-CLASS-156-DIG.88	c 76	N79-11920 *	#	US-PATENT-CLASS-156-331.5	c 27	N82-11206 *	#
US-PATENT-CLASS-148-20.3	c 26	N77-20201 *	#	US-PATENT-CLASS-156-DIG.88	c 76	N80-32245 *	#	US-PATENT-CLASS-156-331.5	c 27	N86-20561 *	#
US-PATENT-CLASS-148-2	c 26	N77-20201 *	#	US-PATENT-CLASS-156-DIG.88	c 76	N84-35113 *	#	US-PATENT-CLASS-156-331	c 37	N74-18126 *	#
US-PATENT-CLASS-148-2	c 26	N79-22271 *	#	US-PATENT-CLASS-156-DIG.88	c 76	N85-30922 *	#	US-PATENT-CLASS-156-331	c 27	N78-17205 *	#
US-PATENT-CLASS-148-32	c 26	N78-18183 *	#	US-PATENT-CLASS-156-DIG.88	c 76	N86-28760 *	#	US-PATENT-CLASS-156-331	c 24	N79-16915 *	#
US-PATENT-CLASS-148-32.5	c 17	N72-22535 *	#	US-PATENT-CLASS-156-DIG.89	c 27	N83-36220 *	#	US-PATENT-CLASS-156-331	c 27	N81-14077 *	#
US-PATENT-CLASS-148-32.5	c 26	N77-20201 *	#	US-PATENT-CLASS-156-DIG.96	c 76	N80-32244 *	#	US-PATENT-CLASS-156-338	c 27	N82-24340 *	#
US-PATENT-CLASS-148-32.5	c 26	N77-32280 *	#	US-PATENT-CLASS-156-DIG.96	c 33	N81-19389 *	#	US-PATENT-CLASS-156-344	c 28	N81-14103 *	#
US-PATENT-CLASS-148-32.5	c 26	N78-18183 *	#	US-PATENT-CLASS-156-DIG.98	c 76	N84-35113 *	#	US-PATENT-CLASS-156-344	c 31	N83-34073 *	#
US-PATENT-CLASS-148-32	c 26	N77-32279 *	#	US-PATENT-CLASS-156-104	c 44	N80-18550 *	#	US-PATENT-CLASS-156-345	c 15	N70-42033 *	#
US-PATENT-CLASS-148-32	c 26	N80-23419 *	#	US-PATENT-CLASS-156-154	c 24	N78-17150 *	#	US-PATENT-CLASS-156-379.7	c 33	N82-26571 *	#
US-PATENT-CLASS-148-33.2	c 76	N85-30922 *	#	US-PATENT-CLASS-156-154	c 27	N81-14077 *	#	US-PATENT-CLASS-156-380.2	c 31	N85-29083 *	#
US-PATENT-CLASS-148-428	c 26	N82-31505 *	#	US-PATENT-CLASS-156-157	c 33	N82-26571 *	#	US-PATENT-CLASS-156-382	c 37	N76-21554 *	#
US-PATENT-CLASS-148-429	c 26	N87-14482 *	#	US-PATENT-CLASS-156-160	c 27	N81-14077 *	#	US-PATENT-CLASS-156-382	c 52	N84-28389 *	#
US-PATENT-CLASS-148-6.11	c 15	N71-24875 *	#	US-PATENT-CLASS-156-161	c 24	N81-29163 *	#	US-PATENT-CLASS-156-391	c 35	N84-12443 *	#
US-PATENT-CLASS-148-6.16	c 18	N71-23047 *	#	US-PATENT-CLASS-156-163	c 27	N81-14077 *	#	US-PATENT-CLASS-156-3	c 17	N71-16044 *	#
US-PATENT-CLASS-148-6.20	c 17	N71-23828 *	#	US-PATENT-CLASS-156-165	c 24	N81-29163 *	#	US-PATENT-CLASS-156-3	c 15	N71-21404 *	#
US-PATENT-CLASS-148-6.3	c 17	N71-33408 *	#	US-PATENT-CLASS-156-166	c 74	N85-29749 *	#	US-PATENT-CLASS-156-3	c 15	N71-24047 *	#
US-PATENT-CLASS-148-6.3	c 44	N79-18444 *	#	US-PATENT-CLASS-156-16	c 74	N75-12732 *	#	US-PATENT-CLASS-156-3	c 06	N72-21094 *	#
US-PATENT-CLASS-148-6	c 18	N71-29040 *	#	US-PATENT-CLASS-156-172	c 15	N71-17651 *	#	US-PATENT-CLASS-156-423	c 35	N84-12443 *	#
US-PATENT-CLASS-148-6	c 76	N79-16678 *	#	US-PATENT-CLASS-156-17	c 76	N79-21910 *	#	US-PATENT-CLASS-156-499	c 27	N84-22748 *	#
US-PATENT-CLASS-149-105	c 28	N78-31255 *	#	US-PATENT-CLASS-156-18	c 26	N73-26752 *	#	US-PATENT-CLASS-156-510	c 15	N71-17687 *	#
US-PATENT-CLASS-149-108.4	c 28	N80-23471 *	#	US-PATENT-CLASS-156-18	c 74	N75-12732 *	#	US-PATENT-CLASS-156-510	c 03	N72-25019 *	#
US-PATENT-CLASS-149-108.4	c 28	N81-15119 *	#	US-PATENT-CLASS-156-191	c 52	N84-28389 *	#	US-PATENT-CLASS-156-52	c 31	N79-21226 *	#
US-PATENT-CLASS-149-109	c 27	N70-41897 *	#	US-PATENT-CLASS-156-212	c 03	N71-26726 *	#	US-PATENT-CLASS-156-540	c 35	N84-12443 *	#
US-PATENT-CLASS-149-111	c 28	N78-31255 *	#	US-PATENT-CLASS-156-212	c 24	N80-26388 *	#	US-PATENT-CLASS-156-545	c 15	N71-24164 *	#
US-PATENT-CLASS-149-15	c 44	N80-20808 *	#	US-PATENT-CLASS-156-212	c 27	N81-14077 *	#	US-PATENT-CLASS-156-556	c 37	N76-21554 *	#
US-PATENT-CLASS-149-17	c 28	N74-33209 *	#	US-PATENT-CLASS-156-213	c 24	N80-26388 *	#	US-PATENT-CLASS-156-59	c 31	N83-34073 *	#
US-PATENT-CLASS-149-19.2	c 28	N80-28536 *	#	US-PATENT-CLASS-156-215	c 35	N84-12443 *	#	US-PATENT-CLASS-156-600	c 27	N83-36220 *	#
US-PATENT-CLASS-149-19.4	c 28	N78-31255 *	#	US-PATENT-CLASS-156-218	c 54	N74-32546 *	#	US-PATENT-CLASS-156-601	c 76	N77-32919 *	#
US-PATENT-CLASS-149-19.4	c 20	N78-32179 *	#	US-PATENT-CLASS-156-229	c 24	N77-28225 *	#	US-PATENT-CLASS-156-601	c 76	N80-32245 *	#
US-PATENT-CLASS-149-19.4	c 28	N79-28342 *	#	US-PATENT-CLASS-156-230	c 35	N84-12443 *	#	US-PATENT-CLASS-156-602	c 76	N82-30105 *	#
US-PATENT-CLASS-149-19.8	c 28	N78-31255 *	#	US-PATENT-CLASS-156-235	c 35	N84-12443 *	#	US-PATENT-CLASS-156-605	c 44	N80-24741 *	#
US-PATENT-CLASS-149-19.2	c 28	N79-14228 *	#	US-PATENT-CLASS-156-242	c 15	N69-24222 *	#	US-PATENT-CLASS-156-608	c 76	N79-11920 *	#
US-PATENT-CLASS-149-19.9	c 28	N79-14228 *	#	US-PATENT-CLASS-156-242	c 37	N76-24575 *	#	US-PATENT-CLASS-156-608	c 33	N81-19389 *	#
US-PATENT-CLASS-149-19.9	c 28	N79-28342 *	#	US-PATENT-CLASS-156-242	c 24	N81-33235 *	#	US-PATENT-CLASS-156-608	c 76	N82-30105 *	#
US-PATENT-CLASS-149-19.9	c 28	N80-28536 *	#	US-PATENT-CLASS-156-245	c 31	N74-18089 *	#	US-PATENT-CLASS-156-608	c 76	N83-20789 *	#
US-PATENT-CLASS-149-19	c 27	N71-14090 *	#	US-PATENT-CLASS-156-245	c 24	N78-17149 *	#	US-PATENT-CLASS-156-608	c 76	N83-35888 *	#
US-PATENT-CLASS-149-19	c 27	N72-25699 *	#	US-PATENT-CLASS-156-245	c 24	N81-33235 *	#	US-PATENT-CLASS-156-608	c 76	N84-35113 *	#
US-PATENT-CLASS-149-19	c 27	N73-16764 *	#	US-PATENT-CLASS-156-247	c 31	N74-18089 *	#	US-PATENT-CLASS-156-60	c 15	N71-22713 *	#
US-PATENT-CLASS-149-1	c 23	N71-16212 *	#	US-PATENT-CLASS-156-250	c 03	N72-25019 *	#	US-PATENT-CLASS-156-610	c 76	N76-25049 *	#
US-PATENT-CLASS-149-1	c 06	N73-30097 *	#	US-PATENT-CLASS-156-252	c 24	N81-33235 *	#	US-PATENT-CLASS-156-610	c 27	N83-36220 *	#
US-PATENT-CLASS-149-1	c 28	N80-20402 *	#	US-PATENT-CLASS-156-264	c 05	N72-25121 *	#	US-PATENT-CLASS-156-610	c 76	N86-28760 *	#
US-PATENT-CLASS-149-1	c 28	N81-14103 *	#	US-PATENT-CLASS-156-264	c 24	N78-17150 *	#	US-PATENT-CLASS-156-612	c 76	N76-25049 *	#
US-PATENT-CLASS-149-20	c 27	N72-25699 *	#	US-PATENT-CLASS-156-264	c 24	N81-33235 *	#	US-PATENT-CLASS-156-612	c 44	N76-28635 *	#
US-PATENT-CLASS-149-20	c 28	N79-14228 *	#	US-PATENT-CLASS-156-264	c 31	N83-34073 *	#	US-PATENT-CLASS-156-612	c 76	N85-30922 *	#
US-PATENT-CLASS-149-20	c 28	N79-28342 *	#	US-PATENT-CLASS-156-267	c 27	N81-14077 *	#	US-PATENT-CLASS-156-613	c 76	N76-25049 *	#
US-PATENT-CLASS-149-20	c 28	N80-28536 *	#	US-PATENT-CLASS-156-272.4	c 31	N85-29083 *	#	US-PATENT-CLASS-156-613	c 44	N76-28635 *	#
US-PATENT-CLASS-149-2	c 12	N70-40124 *	#	US-PATENT-CLASS-156-272	c 27	N80-32516 *	#	US-PATENT-CLASS-156-614	c 44	N76-28635 *	#
US-PATENT-CLASS-149-36	c 27	N72-25699 *	#	US-PATENT-CLASS-156-272	c 33	N82-26571 *	#	US-PATENT-CLASS-156-617-SP	c 76	N84-35113 *	#
US-PATENT-CLASS-149-36	c 27	N73-16764 *	#	US-PATENT-CLASS-156-273.7	c 27	N85-20125 *	#	US-PATENT-CLASS-156-617-V	c 76	N84-35113 *	#
US-PATENT-CLASS-149-36	c 06	N73-30097 *	#	US-PATENT-CLASS-156-273.9	c 31	N85-29083 *	#	US-PATENT-CLASS-156-617SP	c 76	N79-11920 *	#
US-PATENT-CLASS-149-36	c 24	N76-14203 *	#	US-PATENT-CLASS-156-278	c 44	N80-18550 *	#	US-PATENT-CLASS-156-617SP	c 76	N79-23798 *	#
US-PATENT-CLASS-149-37	c 44	N80-20808 *	#	US-PATENT-CLASS-156-285	c 15	N71-23052 *	#	US-PATENT-CLASS-156-617SP	c 44	N80-24741 *	#
US-PATENT-CLASS-149-42	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 18	N73-30532 *	#	US-PATENT-CLASS-156-619	c 76	N80-32245 *	#
US-PATENT-CLASS-149-43	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 31	N74-18089 *	#	US-PATENT-CLASS-156-619	c 76	N77-32919 *	#
US-PATENT-CLASS-149-44	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 24	N74-27035 *	#	US-PATENT-CLASS-156-620	c 76	N77-32919 *	#
US-PATENT-CLASS-149-60	c 28	N74-33209 *	#	US-PATENT-CLASS-156-285	c 24	N78-17149 *	#	US-PATENT-CLASS-156-623Q	c 76	N85-29800 *	#
US-PATENT-CLASS-149-76	c 28	N74-33209 *	#	US-PATENT-CLASS-156-285	c 24	N78-17150 *	#	US-PATENT-CLASS-156-624	c 76	N83-20789 *	#
US-PATENT-CLASS-149-76	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 44	N80-18550 *	#	US-PATENT-CLASS-156-624	c 76	N86-28760 *	#
US-PATENT-CLASS-149-83	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 24	N80-26388 *	#	US-PATENT-CLASS-156-630	c 35	N84-22930 *	#
US-PATENT-CLASS-149-85	c 20	N78-32179 *	#	US-PATENT-CLASS-156-285	c 24	N81-29163 *	#	US-PATENT-CLASS-156-633	c 44	N78-25529 *	

REPORT NUMBER INDEX

US-PATENT-CLASS-178-6.7R

US-PATENT-CLASS-156-662	c 76	N83-20789 *	#	US-PATENT-CLASS-165-107	c 09	N71-24807 *		US-PATENT-CLASS-174-DIG.6	c 26	N73-26752 *	#
US-PATENT-CLASS-156-663	c 27	N77-32308 *	#	US-PATENT-CLASS-165-107	c 44	N77-32581 *	#	US-PATENT-CLASS-174-DIG.6	c 26	N73-32571 *	#
US-PATENT-CLASS-156-668	c 52	N84-23095 *	#	US-PATENT-CLASS-165-109	c 35	N74-15093 *	#	US-PATENT-CLASS-174-DIG.8	c 33	N74-22865 *	#
US-PATENT-CLASS-156-66	c 15	N72-11392 *	#	US-PATENT-CLASS-165-110	c 44	N76-31667 *	#	US-PATENT-CLASS-174-106R	c 09	N72-22198 *	#
US-PATENT-CLASS-156-71	c 33	N82-26571 *	#	US-PATENT-CLASS-165-111	c 77	N75-20139 *	#	US-PATENT-CLASS-174-110.3	c 14	N71-27186 *	#
US-PATENT-CLASS-156-71	c 35	N84-12443 *	#	US-PATENT-CLASS-165-112	c 77	N75-20139 *	#	US-PATENT-CLASS-174-111	c 33	N74-27683 *	#
US-PATENT-CLASS-156-74	c 24	N81-29163 *	#	US-PATENT-CLASS-165-12	c 33	N71-24276 *	#	US-PATENT-CLASS-174-115	c 09	N70-38201 *	#
US-PATENT-CLASS-156-7	c 74	N75-12732 *	#	US-PATENT-CLASS-165-12	c 34	N83-34221 *	#	US-PATENT-CLASS-174-117FF	c 09	N72-22198 *	#
US-PATENT-CLASS-156-81	c 27	N84-22748 *	#	US-PATENT-CLASS-165-133	c 33	N71-16277 *	#	US-PATENT-CLASS-174-126CP	c 26	N73-32571 *	#
US-PATENT-CLASS-156-84	c 15	N72-16330 *	#	US-PATENT-CLASS-165-133	c 33	N71-25353 *	#	US-PATENT-CLASS-174-142	c 33	N80-18286 *	#
US-PATENT-CLASS-156-84	c 37	N82-24491 *	#	US-PATENT-CLASS-165-133	c 33	N72-20915 *	#	US-PATENT-CLASS-174-145	c 33	N76-16332 *	#
US-PATENT-CLASS-156-85	c 37	N82-24491 *	#	US-PATENT-CLASS-165-133	c 44	N76-23675 *	#	US-PATENT-CLASS-174-148	c 33	N76-16332 *	#
US-PATENT-CLASS-156-86	c 15	N72-16330 *	#	US-PATENT-CLASS-165-134R	c 74	N83-19596 *	#	US-PATENT-CLASS-174-15CA	c 31	N79-17029 *	#
US-PATENT-CLASS-156-86	c 37	N82-24491 *	#	US-PATENT-CLASS-165-134	c 34	N78-17336 *	#	US-PATENT-CLASS-174-15C	c 33	N74-27683 *	#
US-PATENT-CLASS-156-89	c 37	N75-15992 *	#	US-PATENT-CLASS-165-135	c 34	N84-22903 *	#	US-PATENT-CLASS-174-18	c 09	N69-21542 *	#
US-PATENT-CLASS-156-89	c 24	N79-25143 *	#	US-PATENT-CLASS-165-138	c 09	N71-24807 *	#	US-PATENT-CLASS-174-28	c 07	N71-27191 *	#
US-PATENT-CLASS-156-89	c 27	N84-22748 *	#	US-PATENT-CLASS-165-141	c 28	N73-32606 *	#	US-PATENT-CLASS-174-28	c 33	N74-27683 *	#
US-PATENT-CLASS-156-905	c 35	N84-22930 *	#	US-PATENT-CLASS-165-146	c 34	N79-13289 *	#	US-PATENT-CLASS-174-35	c 07	N71-19436 *	#
US-PATENT-CLASS-156-94	c 32	N74-27612 *	#	US-PATENT-CLASS-165-155	c 33	N72-20915 *	#	US-PATENT-CLASS-174-36	c 09	N72-22198 *	#
US-PATENT-CLASS-156-94	c 24	N74-30001 *	#	US-PATENT-CLASS-165-158	c 33	N72-20915 *	#	US-PATENT-CLASS-174-52S	c 15	N73-14469 *	#
US-PATENT-CLASS-156-99	c 37	N75-15992 *	#	US-PATENT-CLASS-165-161	c 33	N72-20915 *	#	US-PATENT-CLASS-174-68.5	c 15	N70-41960 *	#
US-PATENT-CLASS-16-242	c 31	N86-19479 *	#	US-PATENT-CLASS-165-164	c 34	N77-10463 *	#	US-PATENT-CLASS-174-69	c 33	N74-22865 *	#
US-PATENT-CLASS-16-294	c 37	N86-19605 *	#	US-PATENT-CLASS-165-166	c 54	N77-32722 *	#	US-PATENT-CLASS-174-70R	c 33	N74-22865 *	#
US-PATENT-CLASS-16-294	c 18	N87-14373 *	#	US-PATENT-CLASS-165-169	c 34	N79-13288 *	#	US-PATENT-CLASS-174-72	c 03	N69-21539 *	#
US-PATENT-CLASS-16-370	c 18	N87-14373 *	#	US-PATENT-CLASS-165-169	c 34	N79-13289 *	#	US-PATENT-CLASS-174-73R	c 33	N80-18286 *	#
US-PATENT-CLASS-16-390	c 31	N86-19479 *	#	US-PATENT-CLASS-165-16	c 31	N80-32583 *	#	US-PATENT-CLASS-174-84	c 15	N72-17455 *	#
US-PATENT-CLASS-160-23R	c 37	N87-17036 *	#	US-PATENT-CLASS-165-170	c 34	N77-10463 *	#	US-PATENT-CLASS-175-1	c 46	N79-22679 *	#
US-PATENT-CLASS-160-265	c 37	N87-17036 *	#	US-PATENT-CLASS-165-174	c 33	N72-20915 *	#	US-PATENT-CLASS-175-26	c 15	N73-32362 *	#
US-PATENT-CLASS-161-115	c 18	N70-41583 *	#	US-PATENT-CLASS-165-185	c 28	N73-32606 *	#	US-PATENT-CLASS-175-310	c 15	N70-42034 *	#
US-PATENT-CLASS-161-116	c 37	N74-23064 *	#	US-PATENT-CLASS-165-185	c 34	N83-28356 *	#	US-PATENT-CLASS-175-323	c 14	N69-21923 *	#
US-PATENT-CLASS-161-127	c 18	N72-25540 *	#	US-PATENT-CLASS-165-1	c 09	N70-41717 *	#	US-PATENT-CLASS-175-45	c 35	N84-33768 *	#
US-PATENT-CLASS-161-127	c 18	N72-25541 *	#	US-PATENT-CLASS-165-1	c 34	N75-12222 *	#	US-PATENT-CLASS-175-78	c 46	N80-10709 *	#
US-PATENT-CLASS-161-161	c 33	N71-25351 *	#	US-PATENT-CLASS-165-1	c 34	N85-29180 *	#	US-PATENT-CLASS-176-11	c 24	N72-33681 *	#
US-PATENT-CLASS-161-182	c 15	N69-39735 *	#	US-PATENT-CLASS-165-20	c 03	N72-28025 *	#	US-PATENT-CLASS-176-11	c 25	N76-27383 *	#
US-PATENT-CLASS-161-182	c 37	N74-18126 *	#	US-PATENT-CLASS-165-2	c 33	N71-24876 *	#	US-PATENT-CLASS-176-11	c 25	N76-29379 *	#
US-PATENT-CLASS-161-189	c 23	N71-15978 *	#	US-PATENT-CLASS-165-2	c 35	N74-15093 *	#	US-PATENT-CLASS-176-11	c 25	N77-22226 *	#
US-PATENT-CLASS-161-192	c 37	N74-18126 *	#	US-PATENT-CLASS-165-2	c 44	N77-32581 *	#	US-PATENT-CLASS-176-14	c 25	N76-29379 *	#
US-PATENT-CLASS-161-196	c 37	N74-21063 *	#	US-PATENT-CLASS-165-2	c 44	N78-17460 *	#	US-PATENT-CLASS-176-169	c 22	N73-32528 *	#
US-PATENT-CLASS-161-214	c 06	N73-27980 *	#	US-PATENT-CLASS-165-2	c 51	N79-10694 *	#	US-PATENT-CLASS-176-16	c 25	N76-27383 *	#
US-PATENT-CLASS-161-227	c 06	N73-27980 *	#	US-PATENT-CLASS-165-2	c 27	N83-36220 *	#	US-PATENT-CLASS-176-16	c 25	N76-29379 *	#
US-PATENT-CLASS-161-42	c 37	N74-18126 *	#	US-PATENT-CLASS-165-30	c 51	N79-10694 *	#	US-PATENT-CLASS-176-16	c 25	N77-22226 *	#
US-PATENT-CLASS-161-43	c 37	N74-18126 *	#	US-PATENT-CLASS-165-30	c 31	N79-17029 *	#	US-PATENT-CLASS-176-22	c 73	N78-28913 *	#
US-PATENT-CLASS-161-67	c 33	N72-17947 *	#	US-PATENT-CLASS-165-30	c 35	N86-20750 *	#	US-PATENT-CLASS-176-33	c 73	N78-28913 *	#
US-PATENT-CLASS-161-68	c 18	N71-21651 *	#	US-PATENT-CLASS-165-32	c 31	N73-30829 *	#	US-PATENT-CLASS-176-39	c 73	N78-19920 *	#
US-PATENT-CLASS-161-68	c 18	N72-25540 *	#	US-PATENT-CLASS-165-32	c 33	N73-32818 *	#	US-PATENT-CLASS-176-39	c 73	N78-28913 *	#
US-PATENT-CLASS-161-68	c 18	N72-25541 *	#	US-PATENT-CLASS-165-32	c 34	N78-17337 *	#	US-PATENT-CLASS-176-3	c 75	N75-13625 *	#
US-PATENT-CLASS-161-69	c 33	N71-24858 *	#	US-PATENT-CLASS-165-32	c 34	N79-15123 *	#	US-PATENT-CLASS-176-45	c 22	N71-28759 *	#
US-PATENT-CLASS-161-7	c 18	N72-25540 *	#	US-PATENT-CLASS-165-32	c 44	N80-20810 *	#	US-PATENT-CLASS-176-86G	c 22	N72-20597 *	#
US-PATENT-CLASS-161-7	c 18	N72-25541 *	#	US-PATENT-CLASS-165-32	c 33	N82-24419 *	#	US-PATENT-CLASS-177-147	c 35	N85-20294 *	#
US-PATENT-CLASS-161-89	c 17	N71-28747 *	#	US-PATENT-CLASS-165-32	c 34	N83-28356 *	#	US-PATENT-CLASS-177-1	c 35	N77-19385 *	#
US-PATENT-CLASS-161-92	c 37	N75-26371 *	#	US-PATENT-CLASS-165-32	c 34	N83-35307 *	#	US-PATENT-CLASS-177-200	c 35	N74-26945 *	#
US-PATENT-CLASS-161-93	c 18	N73-12604 *	#	US-PATENT-CLASS-165-32	c 34	N84-14461 *	#	US-PATENT-CLASS-177-208	c 35	N77-19385 *	#
US-PATENT-CLASS-161-93	c 37	N74-18126 *	#	US-PATENT-CLASS-165-32	c 34	N85-29179 *	#	US-PATENT-CLASS-177-210	c 14	N71-10773 *	#
US-PATENT-CLASS-161-93	c 37	N75-26371 *	#	US-PATENT-CLASS-165-3	c 03	N72-28025 *	#	US-PATENT-CLASS-177-211	c 35	N74-26945 *	#
US-PATENT-CLASS-162-102	c 24	N76-14204 *	#	US-PATENT-CLASS-165-4	c 34	N84-14461 *	#	US-PATENT-CLASS-177-246	c 35	N74-26945 *	#
US-PATENT-CLASS-162-124	c 85	N79-17747 *	#	US-PATENT-CLASS-165-44	c 15	N71-26611 *	#	US-PATENT-CLASS-177-260	c 35	N85-20294 *	#
US-PATENT-CLASS-162-153	c 24	N76-14204 *	#	US-PATENT-CLASS-165-46	c 05	N71-19439 *	#	US-PATENT-CLASS-178-DIG.12	c 07	N72-12081 *	#
US-PATENT-CLASS-162-222	c 24	N76-14204 *	#	US-PATENT-CLASS-165-46	c 05	N71-24147 *	#	US-PATENT-CLASS-178-DIG.12	c 32	N75-21485 *	#
US-PATENT-CLASS-162-228	c 24	N76-14204 *	#	US-PATENT-CLASS-165-46	c 05	N73-20137 *	#	US-PATENT-CLASS-178-DIG.1	c 36	N74-20009 *	#
US-PATENT-CLASS-162-29	c 85	N79-17747 *	#	US-PATENT-CLASS-165-46	c 05	N73-26071 *	#	US-PATENT-CLASS-178-DIG.1	c 33	N75-30431 *	#
US-PATENT-CLASS-164-105	c 20	N79-21123 *	#	US-PATENT-CLASS-165-46	c 54	N82-29002 *	#	US-PATENT-CLASS-178-DIG.1	c 45	N76-17656 *	#
US-PATENT-CLASS-164-119	c 24	N84-16262 *	#	US-PATENT-CLASS-165-47	c 33	N71-29052 *	#	US-PATENT-CLASS-178-DIG.20	c 18	N76-14186 *	#
US-PATENT-CLASS-164-132	c 37	N76-23570 *	#	US-PATENT-CLASS-165-47	c 31	N73-30829 *	#	US-PATENT-CLASS-178-DIG.20	c 23	N72-27728 *	#
US-PATENT-CLASS-164-331.12	c 27	N83-34041 *	#	US-PATENT-CLASS-165-47	c 34	N75-12222 *	#	US-PATENT-CLASS-178-DIG.20	c 35	N75-19613 *	#
US-PATENT-CLASS-164-60	c 24	N77-27187 *	#	US-PATENT-CLASS-165-48R	c 35	N85-29214 *	#	US-PATENT-CLASS-178-DIG.21	c 16	N72-13437 *	#
US-PATENT-CLASS-165-DIG.6	c 34	N84-22903 *	#	US-PATENT-CLASS-165-58	c 27	N83-36220 *	#	US-PATENT-CLASS-178-DIG.23	c 07	N73-30115 *	#
US-PATENT-CLASS-165-104.14	c 05	N81-26114 *	#	US-PATENT-CLASS-165-61	c 34	N83-34221 *	#	US-PATENT-CLASS-178-DIG.25	c 74	N75-25706 *	#
US-PATENT-CLASS-165-104.14	c 34	N85-29179 *	#	US-PATENT-CLASS-165-61	c 35	N85-29214 *	#	US-PATENT-CLASS-178-DIG.28	c 08	N72-22164 *	#
US-PATENT-CLASS-165-104.14	c 34	N86-27593 *	#	US-PATENT-CLASS-165-61	c 35	N86-20750 *	#	US-PATENT-CLASS-178-DIG.29	c 35	N75-25123 *	#
US-PATENT-CLASS-165-104.26	c 74	N83-19596 *	#	US-PATENT-CLASS-165-64	c 35	N85-29214 *	#	US-PATENT-CLASS-178-DIG.32	c 71	N74-21014 *	#
US-PATENT-CLASS-165-104.26	c 34	N83-35307 *	#	US-PATENT-CLASS-165-65	c 35	N86-20750 *	#	US-PATENT-CLASS-178-DIG.35	c 09	N76-24280 *	#
US-PATENT-CLASS-165-104.26	c 34	N85-21568 *	#	US-PATENT-CLASS-165-76	c 34	N83-28356 *	#	US-PATENT-CLASS-178-DIG.36	c 08	N72-22164 *	#
US-PATENT-CLASS-165-104.26	c 34	N85-29180 *	#	US-PATENT-CLASS-165-76	c 37	N86-32736 *	#	US-PATENT-CLASS-178-DIG.6	c 10	N73-13235 *	#
US-PATENT-CLASS-165-104.26	c 34	N86-27593 *	#	US-PATENT-CLASS-165-80E	c 34	N83-34221 *	#	US-PATENT-CLASS-178-DIG.8	c 14	N72-25412 *	#
US-PATENT-CLASS-165-104	c 33	N71-25353 *	#	US-PATENT-CLASS-165-86	c 15	N71-26611 *	#	US-PATENT-CLASS-178-DIG.8	c 45	N76-17656 *	#
US-PATENT-CLASS-165-105	c 09	N71-24807 *	#	US-PATENT-CLASS-165-86	c 33	N71-29046 *	#	US-PATENT-CLASS-178-15	c 33	N75-19517 *	#
US-PATENT-CLASS-165-105	c 33	N71-25353 *	#	US-PATENT-CLASS-165-86	c 33	N70-36847 *	#	US-PATENT-CLASS-178-18	c 10	N73-32143 *	#
US-PATENT-CLASS-165-105	c 33	N72-17948 *	#	US-PATENT-CLASS-165-96	c 33	N71-22890 *	#	US-PATENT-CLASS-178-22.16	c 32	N82-31583 *	#
US-PATENT-CLASS-165-105	c 31	N73-30829 *	#	US-PATENT-CLASS-165-96	c 31	N73-30829 *	#	US-PATENT-CLASS-178-22.17	c 32	N82-31583 *	#
US-PATENT-CLASS-165-105	c 28	N73-32606 *	#	US-PATENT-CLASS-165-96	c 33	N73-32818 *	#	US-PATENT-CLASS-178-5.2R	c 09	N71-28618 *	#
US-PATENT-CLASS-165-105	c 34	N74-18552 *	#	US-PATENT-CLASS-165-96	c 34	N78-17337 *	#	US-PATENT-CLASS-178-5.2R	c 07	N72-17109 *	#
US-PATENT-CLASS-165-105	c 34	N75-12222 *	#	US-PATENT-CLASS-165-96	c 34	N84-14461 *	#	US-PATENT-CLASS-178-5.4	c 07	N72-17109 *	#
US-PATENT-CLASS-165-105	c 44	N75-32581 *	#	US-PATENT-CLASS-166-222	c 43	N81-26509 *	#	US-PATENT-CLASS-178-5.8R	c 71	N74-21014 *	#
US-PATENT-CLASS-165-105	c 44	N76-16612 *	#	US-PATENT-CLASS-166-248	c 43	N78-14452 *	#	US-PATENT-CLASS-178-50	c 08	N72-25208 *	#
US-PATENT-CLASS-165-105	c 34	N76-17317 *	#	US-PATENT-CLASS-166-259	c 43	N78-14452 *	#	US-PATENT-CLASS-178-50	c 08	N72-25208 *	#
US-PATENT-CLASS-165-105	c 34	N76-27515 *	#	US-PATENT-CLASS-166-267	c 25	N82-23282 *	#	US-PATENT-CLASS-178-52	c 08	N72-22162 *	#
US-PATENT-CLASS-165-105	c 34	N77-32413 *	#	US-PATENT-CLASS-166-303	c 25	N82-23282 *	#	US-PATENT-CLASS-178-54CF	c 09	N71-28618 *	#
US-PATENT-CLASS-165-105	c 25	N78-10224 *	#	US-PATENT-CLASS-166-63	c 46	N79-22679 *	#	US-PATENT-			

US-PATENT-CLASS-178-6.7	c 07	N72-17109 *	#	US-PATENT-CLASS-179-15BC	c 08	N72-25208 *	#	US-PATENT-CLASS-188-151A	c 44	N79-14527 *	#
US-PATENT-CLASS-178-6.8	c 08	N72-22164 *	#	US-PATENT-CLASS-179-15BC	c 07	N73-16121 *	#	US-PATENT-CLASS-188-163	c 37	N74-26976 *	#
US-PATENT-CLASS-178-6.8	c 14	N72-25412 *	#	US-PATENT-CLASS-179-15BC	c 32	N74-30523 *	#	US-PATENT-CLASS-188-171	c 37	N74-26976 *	#
US-PATENT-CLASS-178-6.8	c 07	N73-30115 *	#	US-PATENT-CLASS-179-15BC	c 33	N75-26243 *	#	US-PATENT-CLASS-188-180	c 37	N81-15364 *	#
US-PATENT-CLASS-178-6.8	c 33	N75-30431 *	#	US-PATENT-CLASS-179-15BL	c 08	N72-22162 *	#	US-PATENT-CLASS-188-184	c 37	N81-15364 *	#
US-PATENT-CLASS-178-6.8	c 45	N76-17656 *	#	US-PATENT-CLASS-179-15BM	c 07	N73-26118 *	#	US-PATENT-CLASS-188-1	c 15	N70-34861 *	#
US-PATENT-CLASS-178-66R	c 32	N75-24981 *	#	US-PATENT-CLASS-179-15BS	c 10	N71-33407 *	#	US-PATENT-CLASS-188-1	c 15	N70-38601 *	#
US-PATENT-CLASS-178-66	c 09	N71-25866 *	#	US-PATENT-CLASS-179-15BS	c 07	N72-20140 *	#	US-PATENT-CLASS-188-1	c 15	N70-40354 *	#
US-PATENT-CLASS-178-66	c 08	N72-18184 *	#	US-PATENT-CLASS-179-15BS	c 07	N73-30115 *	#	US-PATENT-CLASS-188-1	c 14	N71-17626 *	#
US-PATENT-CLASS-178-67	c 08	N70-41961 *	#	US-PATENT-CLASS-179-15BS	c 32	N75-26195 *	#	US-PATENT-CLASS-188-1	c 15	N71-22877 *	#
US-PATENT-CLASS-178-67	c 32	N74-26654 *	#	US-PATENT-CLASS-179-15BS	c 60	N77-19760 *	#	US-PATENT-CLASS-188-1	c 14	N71-23092 *	#
US-PATENT-CLASS-178-69.1	c 32	N78-15323 *	#	US-PATENT-CLASS-179-15BV	c 07	N72-25172 *	#	US-PATENT-CLASS-188-1	c 15	N71-26243 *	#
US-PATENT-CLASS-178-69.4R	c 32	N74-10132 *	#	US-PATENT-CLASS-179-15BY	c 32	N74-30524 *	#	US-PATENT-CLASS-188-1	c 15	N71-27146 *	#
US-PATENT-CLASS-178-69.5R	c 07	N72-20140 *	#	US-PATENT-CLASS-179-15FD	c 08	N72-25208 *	#	US-PATENT-CLASS-188-1	c 15	N71-27169 *	#
US-PATENT-CLASS-178-69.5R	c 32	N75-26195 *	#	US-PATENT-CLASS-179-15FS	c 07	N73-28012 *	#	US-PATENT-CLASS-188-266	c 15	N73-25513 *	#
US-PATENT-CLASS-178-69.5R	c 33	N76-14371 *	#	US-PATENT-CLASS-179-15	c 07	N69-39978 *	#	US-PATENT-CLASS-188-268	c 15	N72-20443 *	#
US-PATENT-CLASS-178-69.5R	c 60	N77-19760 *	#	US-PATENT-CLASS-179-15	c 07	N71-20814 *	#	US-PATENT-CLASS-188-269	c 44	N79-14527 *	#
US-PATENT-CLASS-178-69.5	c 07	N71-11281 *	#	US-PATENT-CLASS-179-15	c 07	N71-24621 *	#	US-PATENT-CLASS-188-291	c 54	N77-21844 *	#
US-PATENT-CLASS-178-69.5	c 10	N71-19468 *	#	US-PATENT-CLASS-179-15	c 07	N71-24622 *	#	US-PATENT-CLASS-188-371	c 37	N82-18601 *	#
US-PATENT-CLASS-178-69.5	c 10	N71-25865 *	#	US-PATENT-CLASS-179-15	c 08	N72-18184 *	#	US-PATENT-CLASS-188-65.1	c 15	N73-25512 *	#
US-PATENT-CLASS-178-69.5	c 10	N71-33407 *	#	US-PATENT-CLASS-179-175.1A	c 14	N73-27379 *	#	US-PATENT-CLASS-188-65.5	c 15	N71-27067 *	#
US-PATENT-CLASS-178-69.5	c 07	N72-25173 *	#	US-PATENT-CLASS-179-175.1A	c 33	N78-10375 *	#	US-PATENT-CLASS-188-87	c 12	N71-16894 *	#
US-PATENT-CLASS-178-69.5	c 07	N73-13149 *	#	US-PATENT-CLASS-179-18BC	c 32	N86-27513 *	#	US-PATENT-CLASS-188-88	c 15	N71-26611 *	#
US-PATENT-CLASS-178-69.5	c 09	N73-28084 *	#	US-PATENT-CLASS-179-18GF	c 33	N82-29538 *	#	US-PATENT-CLASS-189-36	c 15	N70-36947 *	#
US-PATENT-CLASS-178-69.5	c 17	N76-22245 *	#	US-PATENT-CLASS-179-1	c 07	N71-26181 *	#	US-PATENT-CLASS-19-205	c 37	N76-18456 *	#
US-PATENT-CLASS-178-69A	c 35	N75-21582 *	#	US-PATENT-CLASS-179-1	c 31	N71-33160 *	#	US-PATENT-CLASS-191-12.2-R	c 33	N86-20669 *	#
US-PATENT-CLASS-178-69C	c 32	N76-16249 *	#	US-PATENT-CLASS-179-27CA	c 32	N79-23310 *	#	US-PATENT-CLASS-192-43.1	c 15	N71-17805 *	#
US-PATENT-CLASS-178-6	c 07	N71-19433 *	#	US-PATENT-CLASS-179-78	c 33	N81-27397 *	#	US-PATENT-CLASS-192-46	c 37	N87-17037 *	#
US-PATENT-CLASS-178-6	c 09	N71-19449 *	#	US-PATENT-CLASS-179-84VF	c 32	N79-23310 *	#	US-PATENT-CLASS-192-67R	c 37	N87-17037 *	#
US-PATENT-CLASS-178-6	c 07	N71-23026 *	#	US-PATENT-CLASS-179-91R	c 74	N78-14889 *	#	US-PATENT-CLASS-195-1.8	c 51	N77-25769 *	#
US-PATENT-CLASS-178-6	c 07	N71-26579 *	#	US-PATENT-CLASS-18-26	c 06	N71-22975 *	#	US-PATENT-CLASS-195-1.8	c 51	N79-10694 *	#
US-PATENT-CLASS-178-6	c 07	N72-12081 *	#	US-PATENT-CLASS-18-39	c 27	N70-34783 *	#	US-PATENT-CLASS-195-1.8	c 52	N79-14749 *	#
US-PATENT-CLASS-178-6	c 16	N72-13437 *	#	US-PATENT-CLASS-18-6	c 15	N71-26721 *	#	US-PATENT-CLASS-195-103.5K	c 51	N77-22794 *	#
US-PATENT-CLASS-178-6	c 10	N73-13235 *	#	US-PATENT-CLASS-180-105E	c 11	N72-20244 *	#	US-PATENT-CLASS-195-103.5K	c 52	N79-14750 *	#
US-PATENT-CLASS-178-6	c 36	N74-20009 *	#	US-PATENT-CLASS-180-118	c 31	N71-15689 *	#	US-PATENT-CLASS-195-103.5L	c 52	N79-14750 *	#
US-PATENT-CLASS-178-7.1	c 07	N71-24612 *	#	US-PATENT-CLASS-180-121	c 31	N71-15689 *	#	US-PATENT-CLASS-195-103.5R	c 06	N72-25149 *	#
US-PATENT-CLASS-178-7.1	c 07	N71-27341 *	#	US-PATENT-CLASS-180-125	c 15	N72-17451 *	#	US-PATENT-CLASS-195-103.5R	c 25	N75-12086 *	#
US-PATENT-CLASS-178-7.1	c 09	N72-17156 *	#	US-PATENT-CLASS-180-127	c 15	N72-17451 *	#	US-PATENT-CLASS-195-103.5R	c 35	N75-27330 *	#
US-PATENT-CLASS-178-7.1	c 32	N74-19790 *	#	US-PATENT-CLASS-180-168	c 35	N84-33769 *	#	US-PATENT-CLASS-195-103.5R	c 35	N75-33368 *	#
US-PATENT-CLASS-178-7.1	c 36	N75-19652 *	#	US-PATENT-CLASS-180-41	c 11	N73-26238 *	#	US-PATENT-CLASS-195-103.5R	c 51	N76-29891 *	#
US-PATENT-CLASS-178-7.2R	c 08	N72-22164 *	#	US-PATENT-CLASS-180-6.5	c 11	N73-26238 *	#	US-PATENT-CLASS-195-103.5R	c 51	N77-22794 *	#
US-PATENT-CLASS-178-7.2	c 14	N70-41807 *	#	US-PATENT-CLASS-180-7R	c 11	N73-26238 *	#	US-PATENT-CLASS-195-103.5R	c 25	N79-22235 *	#
US-PATENT-CLASS-178-7.2	c 71	N74-21014 *	#	US-PATENT-CLASS-180-79.3	c 37	N74-18125 *	#	US-PATENT-CLASS-195-120	c 51	N75-13502 *	#
US-PATENT-CLASS-178-7.2	c 35	N75-25123 *	#	US-PATENT-CLASS-180-8A	c 11	N73-26238 *	#	US-PATENT-CLASS-195-120	c 35	N75-27330 *	#
US-PATENT-CLASS-178-7.3	c 07	N71-27341 *	#	US-PATENT-CLASS-180-9.2R	c 11	N73-26238 *	#	US-PATENT-CLASS-195-127	c 15	N72-21465 *	#
US-PATENT-CLASS-178-7.3	c 07	N72-12081 *	#	US-PATENT-CLASS-180-9.5	c 11	N73-26238 *	#	US-PATENT-CLASS-195-127	c 11	N72-25284 *	#
US-PATENT-CLASS-178-7.5E	c 10	N72-31273 *	#	US-PATENT-CLASS-181-5R	c 71	N74-31148 *	#	US-PATENT-CLASS-195-127	c 14	N72-25413 *	#
US-PATENT-CLASS-178-7.6	c 36	N74-20009 *	#	US-PATENT-CLASS-181-5	c 11	N71-28779 *	#	US-PATENT-CLASS-195-127	c 15	N73-20514 *	#
US-PATENT-CLASS-178-7.7	c 09	N71-12539 *	#	US-PATENT-CLASS-181-0.5	c 71	N85-30765 *	#	US-PATENT-CLASS-195-127	c 05	N73-32011 *	#
US-PATENT-CLASS-178-7.7	c 32	N74-20813 *	#	US-PATENT-CLASS-181-102	c 39	N80-10507 *	#	US-PATENT-CLASS-195-127	c 35	N75-12272 *	#
US-PATENT-CLASS-178-7.89	c 09	N76-24280 *	#	US-PATENT-CLASS-181-102	c 31	N80-32584 *	#	US-PATENT-CLASS-195-127	c 51	N75-13502 *	#
US-PATENT-CLASS-178-7.92	c 14	N72-25414 *	#	US-PATENT-CLASS-181-105	c 39	N80-10507 *	#	US-PATENT-CLASS-195-127	c 35	N75-27330 *	#
US-PATENT-CLASS-178-79	c 32	N75-21486 *	#	US-PATENT-CLASS-181-106	c 46	N79-22679 *	#	US-PATENT-CLASS-195-127	c 25	N79-22235 *	#
US-PATENT-CLASS-178-88	c 07	N71-12392 *	#	US-PATENT-CLASS-181-115	c 46	N79-23555 *	#	US-PATENT-CLASS-195-127	c 25	N79-24073 *	#
US-PATENT-CLASS-178-88	c 33	N74-12887 *	#	US-PATENT-CLASS-181-117	c 46	N79-22679 *	#	US-PATENT-CLASS-195-141	c 35	N75-27330 *	#
US-PATENT-CLASS-178-88	c 32	N74-20809 *	#	US-PATENT-CLASS-181-120	c 46	N79-23555 *	#	US-PATENT-CLASS-195-28N	c 06	N72-25149 *	#
US-PATENT-CLASS-178-88	c 33	N74-27705 *	#	US-PATENT-CLASS-181-121	c 35	N84-22933 *	#	US-PATENT-CLASS-195-66R	c 06	N73-27086 *	#
US-PATENT-CLASS-178-88	c 33	N76-14371 *	#	US-PATENT-CLASS-181-148	c 71	N79-23753 *	#	US-PATENT-CLASS-195-68	c 04	N69-24787 *	#
US-PATENT-CLASS-178-88	c 32	N76-16249 *	#	US-PATENT-CLASS-181-190	c 71	N79-14871 *	#	US-PATENT-CLASS-195-99	c 06	N71-17705 *	#
US-PATENT-CLASS-178-88	c 32	N77-10392 *	#	US-PATENT-CLASS-181-213	c 71	N79-14871 *	#	US-PATENT-CLASS-197-188	c 37	N77-19457 *	#
US-PATENT-CLASS-178-88	c 32	N77-24331 *	#	US-PATENT-CLASS-181-213	c 07	N83-33884 *	#	US-PATENT-CLASS-197-190	c 37	N77-19457 *	#
US-PATENT-CLASS-179-10M	c 71	N79-23753 *	#	US-PATENT-CLASS-181-214	c 07	N81-14999 *	#	US-PATENT-CLASS-198-847	c 37	N80-32717 *	#
US-PATENT-CLASS-179-1MF	c 71	N79-23753 *	#	US-PATENT-CLASS-181-214	c 71	N82-16800 *	#	US-PATENT-CLASS-198-848	c 37	N80-32717 *	#
US-PATENT-CLASS-179-1MN	c 32	N79-23310 *	#	US-PATENT-CLASS-181-222	c 71	N79-14871 *	#	US-PATENT-CLASS-1	c 14	N71-27005 *	#
US-PATENT-CLASS-179-1P	c 10	N73-12244 *	#	US-PATENT-CLASS-181-293	c 71	N79-14871 *	#	US-PATENT-CLASS-2-115	c 05	N72-25119 *	#
US-PATENT-CLASS-179-1R	c 07	N71-33108 *	#	US-PATENT-CLASS-181-33C	c 07	N74-32418 *	#	US-PATENT-CLASS-2-114	c 05	N71-23096 *	#
US-PATENT-CLASS-179-1SA	c 10	N73-25240 *	#	US-PATENT-CLASS-181-33F	c 07	N74-32418 *	#	US-PATENT-CLASS-2-161R	c 54	N84-23113 *	#
US-PATENT-CLASS-179-1SA	c 32	N76-31372 *	#	US-PATENT-CLASS-181-33HB	c 07	N74-27490 *	#	US-PATENT-CLASS-2-161R	c 54	N84-28484 *	#
US-PATENT-CLASS-179-1SA	c 32	N77-30309 *	#	US-PATENT-CLASS-181-33HC	c 07	N74-33218 *	#	US-PATENT-CLASS-2-161	c 54	N78-17677 *	#
US-PATENT-CLASS-179-1SF	c 32	N77-30309 *	#	US-PATENT-CLASS-181-33HC	c 07	N76-18111 *	#	US-PATENT-CLASS-2-164	c 54	N84-23434 *	#
US-PATENT-CLASS-179-1VC	c 07	N71-33108 *	#	US-PATENT-CLASS-181-33H	c 07	N74-32418 *	#	US-PATENT-CLASS-2-167	c 54	N84-23113 *	#
US-PATENT-CLASS-179-100.2A	c 21	N73-13644 *	#	US-PATENT-CLASS-181-33L	c 07	N74-32418 *	#	US-PATENT-CLASS-2-167	c 54	N84-28484 *	#
US-PATENT-CLASS-179-100.2A	c 32	N74-27612 *	#	US-PATENT-CLASS-181-42	c 07	N74-32418 *	#	US-PATENT-CLASS-2-2.1A	c 05	N72-22092 *	#
US-PATENT-CLASS-179-100.2B	c 32	N74-27612 *	#	US-PATENT-CLASS-181-43	c 07	N74-15453 *	#	US-PATENT-CLASS-2-2.1A	c 05	N73-25125 *	#
US-PATENT-CLASS-179-100.2CH	c 36	N74-13205 *	#	US-PATENT-CLASS-181-52	c 28	N70-41582 *	#	US-PATENT-CLASS-2-2.1A	c 05	N73-32012 *	#
US-PATENT-CLASS-179-100.2CH	c 35	N78-29421 *	#	US-PATENT-CLASS-182-10	c 15	N71-27067 *	#	US-PATENT-CLASS-2-2.1A	c 04	N74-32546 *	#
US-PATENT-CLASS-179-100.2CH	c 35	N79-16246 *	#	US-PATENT-CLASS-182-178	c 39	N76-31562 *	#	US-PATENT-CLASS-2-2.1A	c 54	N77-32721 *	#
US-PATENT-CLASS-179-100.2C	c 35	N77-21392 *	#	US-PATENT-CLASS-182-191	c 05	N71-11199 *	#	US-PATENT-CLASS-2-2.1A	c 54	N78-17675 *	#
US-PATENT-CLASS-179-100.2K	c 07	N72-21119 *	#	US-PATENT-CLASS-182-5	c 15	N73-25512 *	#	US-PATENT-CLASS-2-2.1A	c 54	N78-31735 *	#
US-PATENT-CLASS-179-100.2MD	c 35	N74-11283 *	#	US-PATENT-CLASS-182-62.5	c 31	N81-27324 *	#	US-PATENT-CLASS-2-2.1A	c 54	N78-31736 *	#
US-PATENT-CLASS-179-100.2T	c 35	N74-11283 *	#	US-PATENT-CLASS-184-1	c 15	N71-23048 *	#	US-PATENT-CLASS-2-2.1A	c 54	N79-24651 *	#
US-PATENT-CLASS-179-100.2	c 09	N69-24329 *	#	US-PATENT-CLASS-185-38	c 37	N78-16369 *	#	US-PATENT-CLASS-2-2.1A	c 54	N86-28618 *	#
US-PATENT-CLASS-179-100.2	c 09	N71-25866 *	#	US-PATENT-CLASS-187-1	c 15	N72-25453 *	#	US-PATENT-CLASS-2-2.1A	c 54	N86-28619 *	#
US-PATENT-CLASS-179-100.2	c 08	N71-27210 *	#	US-PATENT-CLASS-187-20	c 15	N72-25453 *	#	US-PATENT-CLASS-2-2.1A	c 54	N86-28620 *	#
US-PATENT-CLASS-179-100.2	c 08	N71-27255 *	#	US-PATENT-CLASS-187-7.1	c 07	N71-24742 *	#	US-PATENT-CLASS-2-2.1A	c 54	N86-29507 *	#
US-PATENT-CLASS-179-100.2CA	c 09	N72-11224 *	#	US-PATENT-CLASS-187-95	c 15	N72-25453 *	#	US-PATENT-CLASS-2-2.1R	c 54	N86-28618 *	#
US-PATENT-CLASS-179-100.2MD	c 09	N72-11224 *	#	US-PATENT-CLASS-188-1B	c 15	N72-20443 *	#	US-PATENT-CLASS-2-2.1R	c 54	N86-28619 *	#
US-PATENT-CLASS-179-107R	c 33	N78									

REPORT NUMBER INDEX

US-PATENT-CLASS-210-63Z

US-PATENT-CLASS-2-2.1	c 05	N72-25119 *	US-PATENT-CLASS-204-192C	c 76	N85-33826 *	US-PATENT-CLASS-204-37R	c 44	N79-11469 *
US-PATENT-CLASS-2-2.1	c 05	N73-26071 *	US-PATENT-CLASS-204-192C	c 27	N86-32569 *	US-PATENT-CLASS-204-37R	c 27	N83-29388 *
US-PATENT-CLASS-2-2.1	c 34	N78-17337 *	US-PATENT-CLASS-204-192C	c 31	N86-32587 *	US-PATENT-CLASS-204-37R	c 33	N71-29151 *
US-PATENT-CLASS-2-2.1	c 54	N78-17678 *	US-PATENT-CLASS-204-192D	c 27	N86-32569 *	US-PATENT-CLASS-204-38A	c 44	N76-14595 *
US-PATENT-CLASS-2-2.1	c 54	N78-18761 *	US-PATENT-CLASS-204-192D	c 31	N86-32587 *	US-PATENT-CLASS-204-38B	c 44	N79-11469 *
US-PATENT-CLASS-2-275	c 18	N71-26285 *	US-PATENT-CLASS-204-192EC	c 27	N82-28440 *	US-PATENT-CLASS-204-38B	c 27	N82-33521 *
US-PATENT-CLASS-2-6	c 05	N71-26333 *	US-PATENT-CLASS-204-192EC	c 27	N82-33521 *	US-PATENT-CLASS-204-38B	c 17	N71-24830 *
US-PATENT-CLASS-2-6	c 54	N78-17680 *	US-PATENT-CLASS-204-192EC	c 33	N84-22884 *	US-PATENT-CLASS-204-40	c 44	N76-14595 *
US-PATENT-CLASS-2-81	c 18	N71-26285 *	US-PATENT-CLASS-204-192E	c 37	N81-19455 *	US-PATENT-CLASS-204-40	c 24	N77-19171 *
US-PATENT-CLASS-2-81	c 05	N73-32012 *	US-PATENT-CLASS-204-192E	c 27	N82-28440 *	US-PATENT-CLASS-204-42	c 44	N76-14595 *
US-PATENT-CLASS-2-82	c 54	N74-32546 *	US-PATENT-CLASS-204-192E	c 27	N82-33521 *	US-PATENT-CLASS-204-430	c 35	N85-29212 *
US-PATENT-CLASS-200-114	c 33	N79-33393 *	US-PATENT-CLASS-204-192E	c 24	N83-10117 *	US-PATENT-CLASS-204-49	c 15	N72-25452 *
US-PATENT-CLASS-200-129	c 33	N75-27249 *	US-PATENT-CLASS-204-192E	c 52	N84-23095 *	US-PATENT-CLASS-204-49	c 44	N76-14595 *
US-PATENT-CLASS-200-152	c 09	N71-19610 *	US-PATENT-CLASS-204-192N	c 24	N85-21267 *	US-PATENT-CLASS-204-56R	c 44	N83-10494 *
US-PATENT-CLASS-200-153S	c 33	N80-18285 *	US-PATENT-CLASS-204-192N	c 26	N85-29005 *	US-PATENT-CLASS-204-56R	c 27	N83-29388 *
US-PATENT-CLASS-200-157	c 08	N86-27288 *	US-PATENT-CLASS-204-192P	c 76	N85-33826 *	US-PATENT-CLASS-204-56R	c 76	N84-35112 *
US-PATENT-CLASS-200-19	c 09	N70-39915 *	US-PATENT-CLASS-204-192R	c 24	N84-22695 *	US-PATENT-CLASS-204-59	c 15	N72-21466 *
US-PATENT-CLASS-200-304	c 33	N80-18285 *	US-PATENT-CLASS-204-192R	c 31	N85-20153 *	US-PATENT-CLASS-204-9	c 20	N74-32919 *
US-PATENT-CLASS-200-39	c 03	N70-38713 *	US-PATENT-CLASS-204-192R	c 24	N85-21267 *	US-PATENT-CLASS-204-9	c 24	N77-19171 *
US-PATENT-CLASS-200-46	c 74	N79-12890 *	US-PATENT-CLASS-204-192SP	c 24	N84-22695 *	US-PATENT-CLASS-204-298	c 27	N86-19458 *
US-PATENT-CLASS-200-61.05	c 25	N86-27431 *	US-PATENT-CLASS-204-192SP	c 31	N85-20153 *	US-PATENT-CLASS-204-195B	c 25	N79-22325 *
US-PATENT-CLASS-200-61.42	c 09	N71-12518 *	US-PATENT-CLASS-204-192	c 15	N73-12487 *	US-PATENT-CLASS-205-343	c 35	N75-30502 *
US-PATENT-CLASS-200-61.45	c 14	N70-41812 *	US-PATENT-CLASS-204-192	c 17	N73-24569 *	US-PATENT-CLASS-206-439	c 52	N79-17479 *
US-PATENT-CLASS-200-61	c 74	N79-12890 *	US-PATENT-CLASS-204-192	c 27	N74-13270 *	US-PATENT-CLASS-206-447	c 27	N84-14323 *
US-PATENT-CLASS-200-64	c 15	N72-17455 *	US-PATENT-CLASS-204-192	c 20	N74-31269 *	US-PATENT-CLASS-206-582	c 27	N84-14323 *
US-PATENT-CLASS-200-6	c 10	N71-15909 *	US-PATENT-CLASS-204-192	c 37	N75-19684 *	US-PATENT-CLASS-208-10	c 25	N79-11152 *
US-PATENT-CLASS-200-6	c 09	N71-16089 *	US-PATENT-CLASS-204-192	c 44	N77-14580 *	US-PATENT-CLASS-208-10	c 23	N84-16255 *
US-PATENT-CLASS-200-81.9M	c 09	N72-20199 *	US-PATENT-CLASS-204-195B	c 25	N79-24073 *	US-PATENT-CLASS-208-10	c 25	N84-22709 *
US-PATENT-CLASS-200-81R	c 09	N72-22204 *	US-PATENT-CLASS-204-195B	c 51	N80-27067 *	US-PATENT-CLASS-208-11	c 25	N86-25428 *
US-PATENT-CLASS-200-82C	c 09	N72-22204 *	US-PATENT-CLASS-204-195B	c 51	N81-28698 *	US-PATENT-CLASS-208-241	c 25	N82-23282 *
US-PATENT-CLASS-200-82C	c 10	N71-23663 *	US-PATENT-CLASS-204-195B	c 35	N82-28604 *	US-PATENT-CLASS-208-8LE	c 23	N84-16255 *
US-PATENT-CLASS-200-82	c 35	N75-15931 *	US-PATENT-CLASS-204-195R	c 33	N76-19339 *	US-PATENT-CLASS-208-8LE	c 25	N84-22709 *
US-PATENT-CLASS-200-83N	c 33	N79-33392 *	US-PATENT-CLASS-204-195S	c 25	N82-12166 *	US-PATENT-CLASS-208-8	c 25	N79-11152 *
US-PATENT-CLASS-200-83	c 33	N79-33392 *	US-PATENT-CLASS-204-195W	c 35	N78-25391 *	US-PATENT-CLASS-209-10	c 15	N71-20440 *
US-PATENT-CLASS-201-10	c 27	N81-17261 *	US-PATENT-CLASS-204-195	c 14	N71-17575 *	US-PATENT-CLASS-209-127R	c 35	N76-22509 *
US-PATENT-CLASS-201-17	c 44	N78-31527 *	US-PATENT-CLASS-204-2	c 44	N81-29524 *	US-PATENT-CLASS-209-250	c 37	N76-18456 *
US-PATENT-CLASS-201-17	c 25	N81-32246 *	US-PATENT-CLASS-204-20	c 18	N71-16210 *	US-PATENT-CLASS-209-300	c 37	N76-18456 *
US-PATENT-CLASS-201-17	c 25	N82-29371 *	US-PATENT-CLASS-204-222	c 31	N74-23065 *	US-PATENT-CLASS-209-305	c 37	N76-18456 *
US-PATENT-CLASS-201-17	c 25	N83-31743 *	US-PATENT-CLASS-204-224	c 37	N80-14395 *	US-PATENT-CLASS-209-349	c 15	N72-22483 *
US-PATENT-CLASS-201-17	c 25	N85-35253 *	US-PATENT-CLASS-204-242	c 33	N75-27252 *	US-PATENT-CLASS-209-422	c 71	N85-30765 *
US-PATENT-CLASS-201-25	c 27	N81-17261 *	US-PATENT-CLASS-204-242	c 25	N84-12262 *	US-PATENT-CLASS-209-638	c 71	N85-30765 *
US-PATENT-CLASS-201-8	c 27	N81-17261 *	US-PATENT-CLASS-204-252	c 28	N81-24280 *	US-PATENT-CLASS-21-207	c 17	N71-16393 *
US-PATENT-CLASS-202-118	c 31	N81-15154 *	US-PATENT-CLASS-204-263	c 14	N71-28933 *	US-PATENT-CLASS-210-DIG.23	c 52	N79-17479 *
US-PATENT-CLASS-202-182	c 05	N71-12027 *	US-PATENT-CLASS-204-263	c 25	N82-12166 *	US-PATENT-CLASS-210-DIG.27	c 27	N77-31308 *
US-PATENT-CLASS-202-234	c 15	N71-23086 *	US-PATENT-CLASS-204-264	c 25	N82-12166 *	US-PATENT-CLASS-210-103	c 05	N72-27102 *
US-PATENT-CLASS-203-12	c 25	N82-28368 *	US-PATENT-CLASS-204-264	c 28	N81-24280 *	US-PATENT-CLASS-210-104	c 05	N72-27102 *
US-PATENT-CLASS-204-DIG.11	c 25	N77-32255 *	US-PATENT-CLASS-204-266	c 25	N82-12166 *	US-PATENT-CLASS-210-108	c 34	N79-24285 *
US-PATENT-CLASS-204-DIG.3	c 25	N84-12262 *	US-PATENT-CLASS-204-267	c 33	N75-27252 *	US-PATENT-CLASS-210-110	c 05	N72-27102 *
US-PATENT-CLASS-204-DIG.3	c 44	N84-23019 *	US-PATENT-CLASS-204-275	c 25	N82-12166 *	US-PATENT-CLASS-210-137	c 05	N72-27102 *
US-PATENT-CLASS-204-IT	c 25	N79-22235 *	US-PATENT-CLASS-204-276	c 25	N82-12166 *	US-PATENT-CLASS-210-142	c 34	N79-24285 *
US-PATENT-CLASS-204-IT	c 51	N81-28698 *	US-PATENT-CLASS-204-278	c 25	N82-12166 *	US-PATENT-CLASS-210-151	c 45	N84-12654 *
US-PATENT-CLASS-204-IT	c 25	N82-12166 *	US-PATENT-CLASS-204-278	c 25	N84-12262 *	US-PATENT-CLASS-210-186	c 37	N80-10494 *
US-PATENT-CLASS-204-IT	c 76	N84-35112 *	US-PATENT-CLASS-204-278	c 44	N84-23019 *	US-PATENT-CLASS-210-188	c 12	N72-25292 *
US-PATENT-CLASS-204-IT	c 35	N85-29212 *	US-PATENT-CLASS-204-279	c 33	N75-27252 *	US-PATENT-CLASS-210-192	c 54	N78-14784 *
US-PATENT-CLASS-204-IT	c 76	N85-30923 *	US-PATENT-CLASS-204-280R	c 25	N83-13187 *	US-PATENT-CLASS-210-212	c 03	N72-20033 *
US-PATENT-CLASS-204-129.55	c 31	N83-19947 *	US-PATENT-CLASS-204-280	c 44	N84-23019 *	US-PATENT-CLASS-210-222	c 35	N78-12390 *
US-PATENT-CLASS-204-129.75	c 31	N83-19947 *	US-PATENT-CLASS-204-286	c 33	N75-27252 *	US-PATENT-CLASS-210-22	c 52	N80-14687 *
US-PATENT-CLASS-204-129	c 28	N81-24280 *	US-PATENT-CLASS-204-290F	c 28	N81-24280 *	US-PATENT-CLASS-210-23F	c 51	N79-10693 *
US-PATENT-CLASS-204-129	c 25	N84-12262 *	US-PATENT-CLASS-204-290F	c 44	N82-29710 *	US-PATENT-CLASS-210-23H	c 27	N80-23452 *
US-PATENT-CLASS-204-129	c 44	N84-23019 *	US-PATENT-CLASS-204-290F	c 33	N75-27252 *	US-PATENT-CLASS-210-234	c 34	N75-33342 *
US-PATENT-CLASS-204-130	c 15	N72-21466 *	US-PATENT-CLASS-204-290R	c 28	N81-24280 *	US-PATENT-CLASS-210-24R	c 27	N81-14076 *
US-PATENT-CLASS-204-157.1H	c 25	N74-30502 *	US-PATENT-CLASS-204-290R	c 44	N82-29710 *	US-PATENT-CLASS-210-24	c 27	N77-30236 *
US-PATENT-CLASS-204-157.1H	c 37	N76-18458 *	US-PATENT-CLASS-204-290R	c 25	N84-12262 *	US-PATENT-CLASS-210-24	c 25	N81-19244 *
US-PATENT-CLASS-204-157.1R	c 25	N77-32255 *	US-PATENT-CLASS-204-290	c 44	N84-28205 *	US-PATENT-CLASS-210-259	c 34	N75-33342 *
US-PATENT-CLASS-204-157.1R	c 44	N77-32580 *	US-PATENT-CLASS-204-291	c 28	N81-24280 *	US-PATENT-CLASS-210-282	c 37	N87-17035 *
US-PATENT-CLASS-204-157.1R	c 44	N79-11470 *	US-PATENT-CLASS-204-292	c 25	N78-10225 *	US-PATENT-CLASS-210-28	c 85	N79-17747 *
US-PATENT-CLASS-204-157.18AG	c 15	N72-25452 *	US-PATENT-CLASS-204-298	c 15	N70-34967 *	US-PATENT-CLASS-210-304	c 34	N75-33342 *
US-PATENT-CLASS-204-158R	c 25	N77-32255 *	US-PATENT-CLASS-204-298	c 09	N71-26701 *	US-PATENT-CLASS-210-314	c 28	N70-41447 *
US-PATENT-CLASS-204-159.11	c 27	N80-32516 *	US-PATENT-CLASS-204-298	c 15	N72-32487 *	US-PATENT-CLASS-210-321.1	c 25	N82-21269 *
US-PATENT-CLASS-204-159.14	c 27	N80-32516 *	US-PATENT-CLASS-204-298	c 37	N75-19684 *	US-PATENT-CLASS-210-321B	c 52	N80-14687 *
US-PATENT-CLASS-204-159.15	c 27	N80-26446 *	US-PATENT-CLASS-204-298	c 27	N86-32569 *	US-PATENT-CLASS-210-333	c 34	N75-33342 *
US-PATENT-CLASS-204-159.19	c 27	N80-26446 *	US-PATENT-CLASS-204-298	c 31	N86-32587 *	US-PATENT-CLASS-210-340	c 34	N75-33342 *
US-PATENT-CLASS-204-162R	c 25	N77-32255 *	US-PATENT-CLASS-204-298	c 25	N78-14104 *	US-PATENT-CLASS-210-340	c 37	N77-31308 *
US-PATENT-CLASS-204-164	c 26	N78-32229 *	US-PATENT-CLASS-204-299R	c 25	N79-14169 *	US-PATENT-CLASS-210-40	c 85	N79-17747 *
US-PATENT-CLASS-204-168	c 24	N71-25555 *	US-PATENT-CLASS-204-299R	c 37	N80-14397 *	US-PATENT-CLASS-210-40	c 45	N82-11634 *
US-PATENT-CLASS-204-16	c 24	N77-19171 *	US-PATENT-CLASS-204-299R	c 51	N80-16715 *	US-PATENT-CLASS-210-411	c 34	N75-33342 *
US-PATENT-CLASS-204-171	c 27	N80-23452 *	US-PATENT-CLASS-204-299R	c 25	N83-10126 *	US-PATENT-CLASS-210-425	c 34	N75-33342 *
US-PATENT-CLASS-204-175	c 26	N78-32229 *	US-PATENT-CLASS-204-299R	c 25	N83-13187 *	US-PATENT-CLASS-210-429	c 37	N76-14463 *
US-PATENT-CLASS-204-177	c 25	N75-12087 *	US-PATENT-CLASS-204-299	c 34	N74-27744 *	US-PATENT-CLASS-210-433M	c 51	N79-10693 *
US-PATENT-CLASS-204-180G	c 25	N78-14104 *	US-PATENT-CLASS-204-299	c 25	N79-10163 *	US-PATENT-CLASS-210-445	c 15	N72-11389 *
US-PATENT-CLASS-204-180G	c 25	N79-14169 *	US-PATENT-CLASS-204-301	c 54	N78-14784 *	US-PATENT-CLASS-210-45	c 85	N79-17747 *
US-PATENT-CLASS-204-180G	c 37	N80-14397 *	US-PATENT-CLASS-204-305	c 03	N71-24718 *	US-PATENT-CLASS-210-500M	c 27	N80-23452 *
US-PATENT-CLASS-204-180P	c 54	N78-14784 *	US-PATENT-CLASS-204-30	c 09	N71-28691 *	US-PATENT-CLASS-210-500M	c 25	N81-17187 *
US-PATENT-CLASS-204-180R	c 25	N74-26948 *	US-PATENT-CLASS-204-32A	c 33	N77-26385 *	US-PATENT-CLASS-210-500	c 25	N75-12087 *
US-PATENT-CLASS-204-180R	c 34	N74-27744 *	US-PATENT-CLASS-204-32R	c 44	N76-14595 *	US-PATENT-CLASS-210-50	c 45	N79-12584 *
US-PATENT-CLASS-204-180R	c 51	N80-16715 *	US-PATENT-CLASS-204-324	c 33	N73-16918 *	US-PATENT-CLASS-210-512	c 34	N75-33342 *
US-PATENT-CLASS-204-180S	c 25	N79-10163 *	US-PATENT-CLASS-204-325	c 33	N73-16918 *	US-PATENT-CLASS-210-54	c 85	N79-17747 *
US-PATENT-CLASS-204-180S	c 25	N79-14169 *	US-PATENT-CLASS-204-328	c 33	N73-16918 *	US-PATENT-CLASS-210-57	c 45	N80-14579 *
US-PATENT-CLASS-204-192C	c 27	N86-19458 *	US-PATENT-CLASS-204-32	c 44	N79-11469 *	US-PATENT-CLASS-210-602	c 45	N84-12654 *
US-PATENT-CLASS-204-192D	c 27	N86-19458 *	US-PATENT-CLASS-204-33	c 17	N71-25903 *	US-PATENT-CLASS-210-605	c 45	N84-12654 *
US-PATENT-CLASS-204-192R	c 27	N86-19458 *	US-PATENT-CLASS-204-33	c 44	N79-11469 *	US-PATENT-CLASS-210-60	c 45	N79-12584 *
US-PATENT-CLASS-204-192C	c 76	N79-14906 *	US-PATENT-CLASS-204-33	c 44	N83-34448 *	US-PATENT-CLASS-210-617	c 45	N84-12654 *
US-PATENT-CLASS-204-192C	c 26	N82-29415 *	US-PATENT-CLASS-204-35N	c 27	N83-29388 *	US-PATENT-CLASS-210-63R	c 25	N78-10225 *
US-PATENT-CLASS-204-192C	c 26	N82-30371 *	US-PATENT-CLASS-204-35N	c 44	N83-34449 *	US-PATENT-CLASS-210-63R	c 45	N79-12584 *
US-PATENT-CLASS-204-192C	c 24	N84-22695 *	US-PATENT-CLASS-204-37.6	c 76	N84-35112 *	US-PATENT-CLASS-210-63Z	c 45	N80-14579 *
US-PATENT-CLASS-204-192C	c 31	N85-20153 *						
US-PATENT-CLASS-204-192C	c 24	N85-21267 *						

US-PATENT-CLASS-210-66

REPORT NUMBER INDEX

US-PATENT-CLASS-210-66	c 85	N79-17747 *	#	US-PATENT-CLASS-219-304	c 37	N77-13418 *	#	US-PATENT-CLASS-222-61	c 37	N77-28487 *	#
US-PATENT-CLASS-210-67	c 85	N79-17747 *	#	US-PATENT-CLASS-219-343	c 27	N83-36220 *	#	US-PATENT-CLASS-222-71	c 15	N72-21465 *	#
US-PATENT-CLASS-210-70	c 85	N79-17747 *	#	US-PATENT-CLASS-219-347	c 15	N69-27871 *	#	US-PATENT-CLASS-222-95	c 37	N77-28487 *	#
US-PATENT-CLASS-210-71	c 25	N78-10225 *	#	US-PATENT-CLASS-219-347	c 33	N70-34545 *	#	US-PATENT-CLASS-224-25A	c 05	N72-23085 *	#
US-PATENT-CLASS-210-73R	c 85	N79-17747 *	#	US-PATENT-CLASS-219-348	c 15	N73-27405 *	#	US-PATENT-CLASS-224-25	c 05	N71-12351 *	#
US-PATENT-CLASS-210-748	c 71	N83-35781 *	#	US-PATENT-CLASS-219-34	c 09	N70-33312 *	#	US-PATENT-CLASS-224-44A	c 54	N74-17853 *	#
US-PATENT-CLASS-210-748	c 35	N84-17555 *	#	US-PATENT-CLASS-219-354	c 27	N83-36220 *	#	US-PATENT-CLASS-225-103	c 37	N82-32730 *	#
US-PATENT-CLASS-210-82	c 34	N75-33342 *	#	US-PATENT-CLASS-219-364	c 33	N71-16278 *	#	US-PATENT-CLASS-225-1	c 15	N71-17628 *	#
US-PATENT-CLASS-210-96M	c 54	N78-14784 *	#	US-PATENT-CLASS-219-378	c 33	N71-25353 *	#	US-PATENT-CLASS-225-2	c 26	N71-14354 *	#
US-PATENT-CLASS-210-96M	c 51	N79-10693 *	#	US-PATENT-CLASS-219-388	c 35	N74-15831 *	#	US-PATENT-CLASS-226-190	c 08	N71-19420 *	#
US-PATENT-CLASS-211-126	c 35	N86-20751 *	#	US-PATENT-CLASS-219-390	c 27	N83-36220 *	#	US-PATENT-CLASS-226-58	c 14	N71-28935 *	#
US-PATENT-CLASS-211-74	c 35	N86-20751 *	#	US-PATENT-CLASS-219-390	c 35	N86-20750 *	#	US-PATENT-CLASS-227-27	c 37	N86-25790 *	#
US-PATENT-CLASS-212-11	c 32	N71-17609 *	#	US-PATENT-CLASS-219-395	c 35	N86-20750 *	#	US-PATENT-CLASS-227-28	c 37	N86-25790 *	#
US-PATENT-CLASS-212-134	c 15	N72-11388 *	#	US-PATENT-CLASS-219-396	c 35	N86-20750 *	#	US-PATENT-CLASS-228-103	c 35	N83-35338 *	#
US-PATENT-CLASS-212-230	c 37	N86-20789 *	#	US-PATENT-CLASS-219-410	c 12	N79-26075 *	#	US-PATENT-CLASS-228-107	c 37	N79-13364 *	#
US-PATENT-CLASS-212-267	c 31	N81-27324 *	#	US-PATENT-CLASS-219-411	c 17	N69-25147 *	#	US-PATENT-CLASS-228-116	c 37	N81-19455 *	#
US-PATENT-CLASS-213-81	c 37	N77-23483 *	#	US-PATENT-CLASS-219-411	c 27	N83-36220 *	#	US-PATENT-CLASS-228-118	c 24	N81-17170 *	#
US-PATENT-CLASS-214-1CM	c 37	N76-15460 *	#	US-PATENT-CLASS-219-413	c 14	N71-28958 *	#	US-PATENT-CLASS-228-118	c 24	N81-26179 *	#
US-PATENT-CLASS-214-1BC	c 54	N77-32721 *	#	US-PATENT-CLASS-219-477	c 33	N74-14935 *	#	US-PATENT-CLASS-228-119	c 37	N86-32736 *	#
US-PATENT-CLASS-214-1B	c 54	N75-27758 *	#	US-PATENT-CLASS-219-497	c 77	N75-20140 *	#	US-PATENT-CLASS-228-124	c 26	N77-29260 *	#
US-PATENT-CLASS-214-1CM	c 15	N72-28495 *	#	US-PATENT-CLASS-219-499	c 14	N73-26430 *	#	US-PATENT-CLASS-228-123	c 18	N79-11108 *	#
US-PATENT-CLASS-214-1CM	c 54	N75-12616 *	#	US-PATENT-CLASS-219-501	c 77	N75-20140 *	#	US-PATENT-CLASS-228-15.1	c 18	N79-11108 *	#
US-PATENT-CLASS-214-1CM	c 18	N75-27041 *	#	US-PATENT-CLASS-219-505	c 14	N71-27058 *	#	US-PATENT-CLASS-228-157	c 24	N82-24296 *	#
US-PATENT-CLASS-214-1CM	c 54	N75-27758 *	#	US-PATENT-CLASS-219-505	c 77	N75-20140 *	#	US-PATENT-CLASS-228-157	c 24	N84-11214 *	#
US-PATENT-CLASS-214-1CM	c 37	N77-23483 *	#	US-PATENT-CLASS-219-510	c 14	N73-26430 *	#	US-PATENT-CLASS-228-165	c 35	N84-22930 *	#
US-PATENT-CLASS-214-1CM	c 54	N77-32721 *	#	US-PATENT-CLASS-219-510	c 35	N81-26431 *	#	US-PATENT-CLASS-228-170	c 24	N81-17170 *	#
US-PATENT-CLASS-214-1CM	c 54	N78-17676 *	#	US-PATENT-CLASS-219-522	c 11	N73-12265 *	#	US-PATENT-CLASS-228-173	c 18	N79-11108 *	#
US-PATENT-CLASS-214-1R	c 37	N76-15457 *	#	US-PATENT-CLASS-219-522	c 52	N80-16725 *	#	US-PATENT-CLASS-228-174	c 24	N81-17170 *	#
US-PATENT-CLASS-214-16.10B	c 37	N77-22480 *	#	US-PATENT-CLASS-219-522	c 27	N84-33589 *	#	US-PATENT-CLASS-228-181	c 24	N84-11214 *	#
US-PATENT-CLASS-214-1	c 32	N70-41367 *	#	US-PATENT-CLASS-219-530	c 33	N71-25353 *	#	US-PATENT-CLASS-228-190	c 24	N75-28135 *	#
US-PATENT-CLASS-214-90R	c 03	N72-25021 *	#	US-PATENT-CLASS-219-539	c 33	N74-14935 *	#	US-PATENT-CLASS-228-190	c 26	N77-28265 *	#
US-PATENT-CLASS-215-247	c 33	N76-19339 *	#	US-PATENT-CLASS-219-541	c 27	N84-33589 *	#	US-PATENT-CLASS-228-190	c 24	N81-17170 *	#
US-PATENT-CLASS-219-10.41	c 33	N82-26571 *	#	US-PATENT-CLASS-219-543	c 27	N84-33589 *	#	US-PATENT-CLASS-228-190	c 24	N81-26179 *	#
US-PATENT-CLASS-219-10.43	c 31	N85-29083 *	#	US-PATENT-CLASS-219-545	c 33	N82-26571 *	#	US-PATENT-CLASS-228-193	c 24	N75-28135 *	#
US-PATENT-CLASS-219-10.49R	c 33	N81-19389 *	#	US-PATENT-CLASS-219-62	c 15	N73-28515 *	#	US-PATENT-CLASS-228-193	c 37	N76-18455 *	#
US-PATENT-CLASS-219-10.49	c 11	N71-15925 *	#	US-PATENT-CLASS-219-72	c 15	N71-14932 *	#	US-PATENT-CLASS-228-193	c 35	N83-35338 *	#
US-PATENT-CLASS-219-10.49	c 31	N85-29083 *	#	US-PATENT-CLASS-219-76.14	c 24	N85-30027 *	#	US-PATENT-CLASS-228-194	c 26	N77-28265 *	#
US-PATENT-CLASS-219-10.53	c 33	N82-26571 *	#	US-PATENT-CLASS-219-78	c 37	N74-11300 *	#	US-PATENT-CLASS-228-1	c 37	N75-25185 *	#
US-PATENT-CLASS-219-10.53	c 31	N85-29083 *	#	US-PATENT-CLASS-219-85CA	c 35	N80-20560 *	#	US-PATENT-CLASS-228-2.5	c 37	N79-13364 *	#
US-PATENT-CLASS-219-10.67	c 33	N81-19389 *	#	US-PATENT-CLASS-219-85CM	c 35	N80-20560 *	#	US-PATENT-CLASS-228-205	c 37	N81-19455 *	#
US-PATENT-CLASS-219-10.77	c 31	N85-29083 *	#	US-PATENT-CLASS-219-85R	c 35	N80-20560 *	#	US-PATENT-CLASS-228-206	c 37	N76-18455 *	#
US-PATENT-CLASS-219-101	c 15	N73-14468 *	#	US-PATENT-CLASS-219-85	c 15	N72-22491 *	#	US-PATENT-CLASS-228-212	c 37	N80-23655 *	#
US-PATENT-CLASS-219-101	c 37	N74-11300 *	#	US-PATENT-CLASS-219-85	c 15	N72-23497 *	#	US-PATENT-CLASS-228-212	c 24	N84-11214 *	#
US-PATENT-CLASS-219-107	c 15	N73-28515 *	#	US-PATENT-CLASS-219-91	c 15	N71-18613 *	#	US-PATENT-CLASS-228-214	c 37	N76-18455 *	#
US-PATENT-CLASS-219-107	c 37	N74-11300 *	#	US-PATENT-CLASS-219-91	c 15	N73-23258 *	#	US-PATENT-CLASS-228-222	c 37	N80-23655 *	#
US-PATENT-CLASS-219-109	c 15	N72-23497 *	#	US-PATENT-CLASS-219-92	c 37	N76-27568 *	#	US-PATENT-CLASS-228-232	c 26	N77-28265 *	#
US-PATENT-CLASS-219-117	c 15	N73-32358 *	#	US-PATENT-CLASS-219-92	c 37	N77-11397 *	#	US-PATENT-CLASS-228-238	c 37	N76-18455 *	#
US-PATENT-CLASS-219-118	c 37	N76-27568 *	#	US-PATENT-CLASS-220-200	c 15	N71-15966 *	#	US-PATENT-CLASS-228-263.18	c 35	N83-35338 *	#
US-PATENT-CLASS-219-118	c 37	N77-11397 *	#	US-PATENT-CLASS-220-203	c 17	N70-38198 *	#	US-PATENT-CLASS-228-263	c 26	N77-29260 *	#
US-PATENT-CLASS-219-119	c 15	N73-14468 *	#	US-PATENT-CLASS-220-14	c 15	N69-39935 *	#	US-PATENT-CLASS-228-44.1R	c 37	N80-23655 *	#
US-PATENT-CLASS-219-121LE	c 26	N86-32551 *	#	US-PATENT-CLASS-220-15	c 31	N71-15664 *	#	US-PATENT-CLASS-228-5.1	c 44	N79-24431 *	#
US-PATENT-CLASS-219-121LN	c 44	N82-26777 *	#	US-PATENT-CLASS-220-15	c 34	N75-12222 *	#	US-PATENT-CLASS-228-50	c 15	N70-39924 *	#
US-PATENT-CLASS-219-121LY	c 26	N86-32551 *	#	US-PATENT-CLASS-220-1	c 31	N71-17680 *	#	US-PATENT-CLASS-228-50	c 15	N70-40204 *	#
US-PATENT-CLASS-219-121P	c 15	N72-32487 *	#	US-PATENT-CLASS-220-2.2	c 24	N79-25143 *	#	US-PATENT-CLASS-228-53	c 15	N71-27214 *	#
US-PATENT-CLASS-219-121	c 15	N69-21471 *	#	US-PATENT-CLASS-220-266	c 37	N79-22474 *	#	US-PATENT-CLASS-228-57	c 15	N72-22491 *	#
US-PATENT-CLASS-219-121	c 33	N70-34540 *	#	US-PATENT-CLASS-220-306	c 27	N84-27886 *	#	US-PATENT-CLASS-228-6	c 44	N79-24431 *	#
US-PATENT-CLASS-219-121	c 15	N71-19486 *	#	US-PATENT-CLASS-220-335	c 45	N83-25217 *	#	US-PATENT-CLASS-228-7	c 15	N71-15607 *	#
US-PATENT-CLASS-219-121	c 16	N71-20400 *	#	US-PATENT-CLASS-220-378	c 37	N82-24490 *	#	US-PATENT-CLASS-228-8	c 15	N71-23050 *	#
US-PATENT-CLASS-219-121	c 15	N71-27135 *	#	US-PATENT-CLASS-220-423	c 37	N80-18393 *	#	US-PATENT-CLASS-228-8	c 37	N79-10421 *	#
US-PATENT-CLASS-219-124.2.2	c 37	N79-10421 *	#	US-PATENT-CLASS-220-429	c 44	N80-20808 *	#	US-PATENT-CLASS-228-9	c 15	N71-20393 *	#
US-PATENT-CLASS-219-124.32	c 37	N79-10421 *	#	US-PATENT-CLASS-220-445	c 37	N80-18393 *	#	US-PATENT-CLASS-229.DIG.11	c 32	N73-13921 *	#
US-PATENT-CLASS-219-124.34	c 37	N86-21850 *	#	US-PATENT-CLASS-220-46	c 15	N71-27068 *	#	US-PATENT-CLASS-23-109	c 04	N72-33072 *	#
US-PATENT-CLASS-219-124.34	c 74	N87-17493 *	#	US-PATENT-CLASS-220-5R	c 15	N72-22486 *	#	US-PATENT-CLASS-23-201	c 06	N72-17095 *	#
US-PATENT-CLASS-219-125.1	c 37	N79-10421 *	#	US-PATENT-CLASS-220-55	c 15	N69-27502 *	#	US-PATENT-CLASS-23-208	c 15	N69-21922 *	#
US-PATENT-CLASS-219-125	c 15	N71-23815 *	#	US-PATENT-CLASS-220-63	c 11	N70-38182 *	#	US-PATENT-CLASS-23-208	c 26	N70-36805 *	#
US-PATENT-CLASS-219-125	c 37	N75-27376 *	#	US-PATENT-CLASS-220-67	c 15	N71-10577 *	#	US-PATENT-CLASS-23-209.1	c 15	N72-20446 *	#
US-PATENT-CLASS-219-130.01	c 74	N87-17493 *	#	US-PATENT-CLASS-220-82R	c 31	N81-19343 *	#	US-PATENT-CLASS-23-230B	c 25	N75-14844 *	#
US-PATENT-CLASS-219-130	c 15	N71-23798 *	#	US-PATENT-CLASS-220-89A	c 31	N81-19343 *	#	US-PATENT-CLASS-23-230B	c 23	N77-17161 *	#
US-PATENT-CLASS-219-131	c 15	N71-15871 *	#	US-PATENT-CLASS-220-93	c 11	N71-15560 *	#	US-PATENT-CLASS-23-230B	c 25	N79-14169 *	#
US-PATENT-CLASS-219-137	c 15	N70-34814 *	#	US-PATENT-CLASS-220-89	c 11	N71-17600 *	#	US-PATENT-CLASS-23-230B	c 51	N80-27067 *	#
US-PATENT-CLASS-219-137	c 37	N75-19683 *	#	US-PATENT-CLASS-220-901	c 37	N80-18393 *	#	US-PATENT-CLASS-23-230L	c 35	N74-32879 *	#
US-PATENT-CLASS-219-158	c 15	N72-22491 *	#	US-PATENT-CLASS-220-9	c 23	N71-22881 *	#	US-PATENT-CLASS-23-230M	c 25	N76-18245 *	#
US-PATENT-CLASS-219-160	c 37	N80-23655 *	#	US-PATENT-CLASS-220-9	c 18	N71-23658 *	#	US-PATENT-CLASS-23-230M	c 23	N77-17161 *	#
US-PATENT-CLASS-219-161	c 37	N80-23655 *	#	US-PATENT-CLASS-220-9	c 15	N71-23816 *	#	US-PATENT-CLASS-23-230PC	c 25	N78-15210 *	#
US-PATENT-CLASS-219-19	c 33	N70-34812 *	#	US-PATENT-CLASS-220-9	c 33	N71-25351 *	#	US-PATENT-CLASS-23-230PC	c 25	N82-12166 *	#
US-PATENT-CLASS-219-201	c 52	N80-16725 *	#	US-PATENT-CLASS-221-265	c 51	N74-15778 *	#	US-PATENT-CLASS-23-230R	c 06	N72-17094 *	#
US-PATENT-CLASS-219-201	c 37	N85-29286 *	#	US-PATENT-CLASS-222-131	c 31	N79-21225 *	#	US-PATENT-CLASS-23-230R	c 17	N73-12547 *	#
US-PATENT-CLASS-219-203	c 11	N73-12265 *	#	US-PATENT-CLASS-222-135	c 15	N72-21465 *	#	US-PATENT-CLASS-23-230R	c 17	N73-27446 *	#
US-PATENT-CLASS-219-203	c 27	N84-33589 *	#	US-PATENT-CLASS-222-137	c 14	N71-27005 *	#	US-PATENT-CLASS-23-230R	c 25	N76-18245 *	#
US-PATENT-CLASS-219-209	c 35	N81-26431 *	#	US-PATENT-CLASS-222-145	c 37	N76-19436 *	#	US-PATENT-CLASS-23-230R	c 45	N76-31714 *	#
US-PATENT-CLASS-219-210	c 35	N81-26431 *	#	US-PATENT-CLASS-222-193	c 37	N74-13178 *	#	US-PATENT-CLASS-23-230R	c 23	N77-17161 *	#
US-PATENT-CLASS-219-216	c 35	N74-15831 *	#	US-PATENT-CLASS-222-309	c 15	N72-21465 *	#	US-PATENT-CLASS-23-230	c 06	N71-23527 *	#
US-PATENT-CLASS-219-219	c 27	N84-33589 *	#	US-PATENT-CLASS-222-309	c 54	N74-12779 *	#	US-PATENT-CLASS-23-230	c 06	N72-17095 *	#
US-PATENT-CLASS-219-221	c 15	N72-11392 *	#	US-PATENT-CLASS-222-309	c 35	N85-21595 *	#	US-PATENT-CLASS-23-231	c 23	N77-17161 *	#
US-PATENT-CLASS-219-221	c 37	N85-29286 *	#	US-PATENT-CLASS-222-324	c 54	N74-17853 *	#	US-PATENT-CLASS-23-232C	c 06	N72-17094 *	#
US-PATENT-CLASS-219-229	c 15	N71-27214 *	#	US-PATENT-CLASS-222-340	c 54	N74-12779 *	#	US-PATENT-CLASS-23-232C	c 25	N76-18245 *	#
US-PATENT-CLASS-219-234	c 15	N72-22491 *	#	US-PATENT-CLASS-222-340	c 35	N85-21595 *	#	US-PATENT-CLASS-23-232C	c 23	N77-17161 *	#
US-PATENT-CLASS-219-234	c										

REPORT NUMBER INDEX

US-PATENT-CLASS-244-ISS

US-PATENT-CLASS-23-252R	c 25	N79-10162 *	#	US-PATENT-CLASS-235-152	c 09	N73-13209 *	#	US-PATENT-CLASS-237-1A	c 44	N78-15560 *	#
US-PATENT-CLASS-23-252R	c 25	N79-28253 *	#	US-PATENT-CLASS-235-152	c 08	N73-26175 *	#	US-PATENT-CLASS-237-1A	c 44	N78-17460 *	#
US-PATENT-CLASS-23-253A	c 51	N77-27677 *	#	US-PATENT-CLASS-235-152	c 60	N77-14751 *	#	US-PATENT-CLASS-237-1A	c 44	N78-31525 *	#
US-PATENT-CLASS-23-253A	c 54	N78-14784 *	#	US-PATENT-CLASS-235-153AE	c 60	N76-21914 *	#	US-PATENT-CLASS-237-1A	c 44	N79-24433 *	#
US-PATENT-CLASS-23-253PC	c 06	N72-17094 *	#	US-PATENT-CLASS-235-153AK	c 62	N74-14920 *	#	US-PATENT-CLASS-237-60	c 34	N76-17317 *	#
US-PATENT-CLASS-23-253PC	c 37	N74-18123 *	#	US-PATENT-CLASS-235-153	c 08	N71-24633 *	#	US-PATENT-CLASS-238-134	c 85	N74-34672 *	#
US-PATENT-CLASS-23-253R	c 15	N72-21465 *	#	US-PATENT-CLASS-235-153	c 08	N72-22166 *	#	US-PATENT-CLASS-238-1	c 05	N71-28619 *	#
US-PATENT-CLASS-23-253R	c 25	N75-14844 *	#	US-PATENT-CLASS-235-154	c 08	N70-34778 *	#	US-PATENT-CLASS-239-DIG.23	c 37	N85-29283 *	#
US-PATENT-CLASS-23-253R	c 25	N76-18245 *	#	US-PATENT-CLASS-235-154	c 10	N71-23662 *	#	US-PATENT-CLASS-239-102	c 37	N80-10494 *	#
US-PATENT-CLASS-23-253	c 23	N71-16355 *	#	US-PATENT-CLASS-235-154	c 08	N72-18184 *	#	US-PATENT-CLASS-239-127.1	c 28	N71-23968 *	#
US-PATENT-CLASS-23-253	c 06	N71-26754 *	#	US-PATENT-CLASS-235-154	c 08	N72-25206 *	#	US-PATENT-CLASS-239-127.1	c 28	N73-32606 *	#
US-PATENT-CLASS-23-253	c 06	N72-17095 *	#	US-PATENT-CLASS-235-155	c 08	N71-24890 *	#	US-PATENT-CLASS-239-127.1	c 34	N79-13288 *	#
US-PATENT-CLASS-23-254EF	c 35	N76-18403 *	#	US-PATENT-CLASS-235-155	c 08	N72-21197 *	#	US-PATENT-CLASS-239-127.1	c 34	N79-13289 *	#
US-PATENT-CLASS-23-254E	c 06	N73-16106 *	#	US-PATENT-CLASS-235-155	c 08	N73-12176 *	#	US-PATENT-CLASS-239-127.1	c 34	N80-24573 *	#
US-PATENT-CLASS-23-254E	c 33	N75-26245 *	#	US-PATENT-CLASS-235-156	c 08	N71-18693 *	#	US-PATENT-CLASS-239-127.1	c 44	N81-24519 *	#
US-PATENT-CLASS-23-254E	c 35	N75-29380 *	#	US-PATENT-CLASS-235-156	c 60	N75-13539 *	#	US-PATENT-CLASS-239-127.3	c 20	N76-14191 *	#
US-PATENT-CLASS-23-254E	c 45	N76-21742 *	#	US-PATENT-CLASS-235-156	c 32	N76-21366 *	#	US-PATENT-CLASS-239-127.3	c 07	N80-32392 *	#
US-PATENT-CLASS-23-254R	c 06	N73-16106 *	#	US-PATENT-CLASS-235-156	c 32	N77-10392 *	#	US-PATENT-CLASS-239-132.5	c 20	N78-14420 *	#
US-PATENT-CLASS-23-254R	c 25	N76-18245 *	#	US-PATENT-CLASS-235-156	c 38	N78-17395 *	#	US-PATENT-CLASS-239-171	c 37	N77-13418 *	#
US-PATENT-CLASS-23-254R	c 23	N77-17161 *	#	US-PATENT-CLASS-235-156	c 38	N78-17396 *	#	US-PATENT-CLASS-239-265.11	c 18	N71-21068 *	#
US-PATENT-CLASS-23-254R	c 23	N77-17161 *	#	US-PATENT-CLASS-235-158	c 08	N71-19437 *	#	US-PATENT-CLASS-239-265.11	c 07	N74-33218 *	#
US-PATENT-CLASS-23-254	c 14	N71-20442 *	#	US-PATENT-CLASS-235-164	c 08	N71-33110 *	#	US-PATENT-CLASS-239-265.11	c 07	N76-18117 *	#
US-PATENT-CLASS-23-255E	c 35	N75-29380 *	#	US-PATENT-CLASS-235-164	c 08	N73-26175 *	#	US-PATENT-CLASS-239-265.15	c 37	N79-22474 *	#
US-PATENT-CLASS-23-255R	c 25	N76-18245 *	#	US-PATENT-CLASS-235-164	c 60	N74-20836 *	#	US-PATENT-CLASS-239-265.17	c 07	N74-27900 *	#
US-PATENT-CLASS-23-259	c 15	N71-27372 *	#	US-PATENT-CLASS-235-175	c 08	N72-21197 *	#	US-PATENT-CLASS-239-265.17	c 07	N83-33884 *	#
US-PATENT-CLASS-23-259	c 15	N72-21465 *	#	US-PATENT-CLASS-235-175	c 08	N71-33110 *	#	US-PATENT-CLASS-239-265.17	c 71	N84-14873 *	#
US-PATENT-CLASS-23-259	c 37	N74-18123 *	#	US-PATENT-CLASS-235-176	c 08	N70-34787 *	#	US-PATENT-CLASS-239-265.19	c 28	N71-21493 *	#
US-PATENT-CLASS-23-259	c 51	N77-27677 *	#	US-PATENT-CLASS-235-181	c 07	N71-21476 *	#	US-PATENT-CLASS-239-265.19	c 28	N72-11708 *	#
US-PATENT-CLASS-23-277C	c 25	N74-33378 *	#	US-PATENT-CLASS-235-181	c 07	N73-13149 *	#	US-PATENT-CLASS-239-265.25	c 07	N78-27121 *	#
US-PATENT-CLASS-23-277	c 44	N77-22607 *	#	US-PATENT-CLASS-235-181	c 35	N75-21582 *	#	US-PATENT-CLASS-239-265.25	c 09	N78-31129 *	#
US-PATENT-CLASS-23-277	c 26	N70-40015 *	#	US-PATENT-CLASS-235-181	c 33	N75-26243 *	#	US-PATENT-CLASS-239-265.33	c 07	N78-27121 *	#
US-PATENT-CLASS-23-281	c 28	N72-18766 *	#	US-PATENT-CLASS-235-181	c 43	N77-10584 *	#	US-PATENT-CLASS-239-265.33	c 07	N80-32392 *	#
US-PATENT-CLASS-23-281	c 25	N74-12813 *	#	US-PATENT-CLASS-235-181	c 38	N78-17395 *	#	US-PATENT-CLASS-239-265.39	c 07	N79-14097 *	#
US-PATENT-CLASS-23-281	c 44	N76-18642 *	#	US-PATENT-CLASS-235-183	c 08	N72-22165 *	#	US-PATENT-CLASS-239-265.43	c 28	N71-16224 *	#
US-PATENT-CLASS-23-281	c 44	N76-29700 *	#	US-PATENT-CLASS-235-184	c 74	N76-18913 *	#	US-PATENT-CLASS-239-265.43	c 28	N72-11708 *	#
US-PATENT-CLASS-23-281	c 44	N77-10636 *	#	US-PATENT-CLASS-235-186	c 10	N73-26230 *	#	US-PATENT-CLASS-239-288	c 37	N79-22474 *	#
US-PATENT-CLASS-23-281	c 44	N77-22607 *	#	US-PATENT-CLASS-235-194	c 09	N71-19480 *	#	US-PATENT-CLASS-239-288	c 37	N85-29283 *	#
US-PATENT-CLASS-23-284	c 35	N74-15127 *	#	US-PATENT-CLASS-235-194	c 08	N72-22165 *	#	US-PATENT-CLASS-239-302	c 37	N80-10494 *	#
US-PATENT-CLASS-23-288F	c 25	N74-12813 *	#	US-PATENT-CLASS-235-194	c 10	N72-22165 *	#	US-PATENT-CLASS-239-322	c 37	N85-29283 *	#
US-PATENT-CLASS-23-288J	c 25	N74-12813 *	#	US-PATENT-CLASS-235-197	c 08	N72-22165 *	#	US-PATENT-CLASS-239-327	c 37	N85-29283 *	#
US-PATENT-CLASS-23-288R	c 28	N80-10374 *	#	US-PATENT-CLASS-235-197	c 09	N72-31713 *	#	US-PATENT-CLASS-239-375	c 37	N85-29283 *	#
US-PATENT-CLASS-23-288	c 28	N72-18766 *	#	US-PATENT-CLASS-235-197	c 10	N73-20253 *	#	US-PATENT-CLASS-239-402.5	c 07	N85-35195 *	#
US-PATENT-CLASS-23-292	c 51	N77-27677 *	#	US-PATENT-CLASS-235-197	c 10	N73-26230 *	#	US-PATENT-CLASS-239-403	c 20	N87-14420 *	#
US-PATENT-CLASS-23-293R	c 28	N81-15119 *	#	US-PATENT-CLASS-235-197	c 60	N75-13539 *	#	US-PATENT-CLASS-239-416	c 15	N69-23185 *	#
US-PATENT-CLASS-23-295R	c 76	N85-29800 *	#	US-PATENT-CLASS-235-201	c 10	N71-25899 *	#	US-PATENT-CLASS-239-416	c 15	N71-17654 *	#
US-PATENT-CLASS-23-300	c 28	N80-23471 *	#	US-PATENT-CLASS-235-61.6	c 01	N71-13411 *	#	US-PATENT-CLASS-239-418	c 28	N72-23809 *	#
US-PATENT-CLASS-23-302A	c 28	N80-23471 *	#	US-PATENT-CLASS-235-61.6	c 15	N71-21179 *	#	US-PATENT-CLASS-239-424	c 15	N72-25455 *	#
US-PATENT-CLASS-23-302R	c 28	N80-23471 *	#	US-PATENT-CLASS-235-61NV	c 08	N72-11172 *	#	US-PATENT-CLASS-239-425	c 20	N87-14420 *	#
US-PATENT-CLASS-23-302T	c 28	N80-23471 *	#	US-PATENT-CLASS-235-61NV	c 35	N76-29552 *	#	US-PATENT-CLASS-239-426	c 34	N84-12406 *	#
US-PATENT-CLASS-23-313R	c 71	N85-22104 *	#	US-PATENT-CLASS-235-70	c 04	N78-17031 *	#	US-PATENT-CLASS-239-433	c 28	N72-23809 *	#
US-PATENT-CLASS-23-55	c 06	N72-17093 *	#	US-PATENT-CLASS-235-78M	c 35	N76-29552 *	#	US-PATENT-CLASS-239-499	c 34	N82-13376 *	#
US-PATENT-CLASS-23-88	c 06	N72-17093 *	#	US-PATENT-CLASS-235-88M	c 35	N76-29552 *	#	US-PATENT-CLASS-239-543	c 28	N72-23809 *	#
US-PATENT-CLASS-23-927	c 51	N80-16714 *	#	US-PATENT-CLASS-235-92CA	c 33	N74-10223 *	#	US-PATENT-CLASS-239-562	c 43	N81-26509 *	#
US-PATENT-CLASS-23-97	c 06	N72-17093 *	#	US-PATENT-CLASS-235-92CA	c 38	N77-17495 *	#	US-PATENT-CLASS-239-568	c 37	N84-16561 *	#
US-PATENT-CLASS-230-162	c 33	N71-17610 *	#	US-PATENT-CLASS-235-92CC	c 08	N72-20176 *	#	US-PATENT-CLASS-239-589	c 34	N82-13376 *	#
US-PATENT-CLASS-230-221	c 11	N72-22245 *	#	US-PATENT-CLASS-235-92CT	c 38	N77-17495 *	#	US-PATENT-CLASS-239-590	c 37	N85-29283 *	#
US-PATENT-CLASS-230-54	c 11	N72-22245 *	#	US-PATENT-CLASS-235-92CV	c 08	N73-25206 *	#	US-PATENT-CLASS-239-591	c 43	N81-26509 *	#
US-PATENT-CLASS-233-DIG.1	c 34	N75-26282 *	#	US-PATENT-CLASS-235-92DE	c 08	N72-20176 *	#	US-PATENT-CLASS-239-601	c 34	N82-13376 *	#
US-PATENT-CLASS-233-11	c 15	N71-16079 *	#	US-PATENT-CLASS-235-92DM	c 08	N72-20176 *	#	US-PATENT-CLASS-239-690	c 28	N82-18401 *	#
US-PATENT-CLASS-233-20RP	c 34	N75-26282 *	#	US-PATENT-CLASS-235-92DM	c 33	N74-10223 *	#	US-PATENT-CLASS-24-126	c 15	N71-22994 *	#
US-PATENT-CLASS-233-25	c 34	N75-26282 *	#	US-PATENT-CLASS-235-92DM	c 33	N75-19519 *	#	US-PATENT-CLASS-24-134R	c 15	N73-25512 *	#
US-PATENT-CLASS-233-46	c 34	N75-26282 *	#	US-PATENT-CLASS-235-92DN	c 08	N73-25206 *	#	US-PATENT-CLASS-24-205.17	c 15	N71-25975 *	#
US-PATENT-CLASS-233-6	c 34	N75-26282 *	#	US-PATENT-CLASS-235-92DN	c 38	N77-17495 *	#	US-PATENT-CLASS-24-211N	c 15	N72-11385 *	#
US-PATENT-CLASS-235-10.27	c 04	N74-13420 *	#	US-PATENT-CLASS-235-92EA	c 08	N73-25206 *	#	US-PATENT-CLASS-24-211	c 15	N71-17653 *	#
US-PATENT-CLASS-235-10.2	c 08	N73-25206 *	#	US-PATENT-CLASS-235-92EV	c 08	N73-25206 *	#	US-PATENT-CLASS-24-214	c 31	N83-31895 *	#
US-PATENT-CLASS-235-150.1	c 08	N71-29033 *	#	US-PATENT-CLASS-235-92FQ	c 08	N73-20217 *	#	US-PATENT-CLASS-24-263	c 15	N71-21076 *	#
US-PATENT-CLASS-235-150.1	c 08	N72-31226 *	#	US-PATENT-CLASS-235-92LG	c 08	N72-20176 *	#	US-PATENT-CLASS-24-263	c 15	N71-26162 *	#
US-PATENT-CLASS-235-150.2	c 02	N71-13421 *	#	US-PATENT-CLASS-235-92MT	c 33	N75-19519 *	#	US-PATENT-CLASS-24-304	c 27	N85-20125 *	#
US-PATENT-CLASS-235-150.22	c 04	N74-13420 *	#	US-PATENT-CLASS-235-92MT	c 08	N72-31226 *	#	US-PATENT-CLASS-24-447	c 27	N85-20125 *	#
US-PATENT-CLASS-235-150.25	c 21	N71-21688 *	#	US-PATENT-CLASS-235-92MT	c 32	N73-26910 *	#	US-PATENT-CLASS-24-450	c 27	N85-20125 *	#
US-PATENT-CLASS-235-150.25	c 35	N77-20399 *	#	US-PATENT-CLASS-235-92PC	c 35	N82-11431 *	#	US-PATENT-CLASS-24-560	c 52	N84-28388 *	#
US-PATENT-CLASS-235-150.26	c 04	N74-13420 *	#	US-PATENT-CLASS-235-92PE	c 37	N74-21056 *	#	US-PATENT-CLASS-24-693	c 27	N85-20125 *	#
US-PATENT-CLASS-235-150.27	c 08	N71-29033 *	#	US-PATENT-CLASS-235-92R	c 08	N72-20176 *	#	US-PATENT-CLASS-240-1.2	c 11	N70-33329 *	#
US-PATENT-CLASS-235-150.2	c 08	N71-29033 *	#	US-PATENT-CLASS-235-92R	c 08	N73-20217 *	#	US-PATENT-CLASS-240-11.2	c 09	N71-26787 *	#
US-PATENT-CLASS-235-150.2	c 35	N77-20399 *	#	US-PATENT-CLASS-235-92R	c 08	N73-25206 *	#	US-PATENT-CLASS-240-11.4	c 09	N71-26787 *	#
US-PATENT-CLASS-235-150.3	c 33	N74-10223 *	#	US-PATENT-CLASS-235-92R	c 33	N75-19519 *	#	US-PATENT-CLASS-240-41.35R	c 74	N77-21941 *	#
US-PATENT-CLASS-235-150.52	c 08	N72-22165 *	#	US-PATENT-CLASS-235-92R	c 38	N77-17495 *	#	US-PATENT-CLASS-240-41B	c 36	N75-27364 *	#
US-PATENT-CLASS-235-150.53	c 08	N72-22165 *	#	US-PATENT-CLASS-235-92SB	c 37	N74-21056 *	#	US-PATENT-CLASS-240-41R	c 74	N77-21941 *	#
US-PATENT-CLASS-235-150.53	c 07	N73-13149 *	#	US-PATENT-CLASS-235-92SH	c 33	N76-14373 *	#	US-PATENT-CLASS-240-46.13	c 74	N77-21941 *	#
US-PATENT-CLASS-235-150.53	c 33	N75-26243 *	#	US-PATENT-CLASS-235-92T	c 03	N72-25020 *	#	US-PATENT-CLASS-240-47	c 34	N74-23066 *	#
US-PATENT-CLASS-235-151.13	c 25	N76-18245 *	#	US-PATENT-CLASS-235-92T	c 08	N73-20217 *	#	US-PATENT-CLASS-240-51.11	c 09	N71-26787 *	#
US-PATENT-CLASS-235-151.1	c 08	N71-29033 *	#	US-PATENT-CLASS-235-92T	c 33	N75-19519 *	#	US-PATENT-CLASS-241-95	c 37	N84-16561 *	#
US-PATENT-CLASS-235-151.1	c 08	N72-31226 *	#	US-PATENT-CLASS-235-92VA	c 33	N75-19519 *	#	US-PATENT-CLASS-242-107	c 33	N86-20669 *	#
US-PATENT-CLASS-235-151.27	c 08	N73-25206 *	#	US-PATENT-CLASS-235-92	c 08	N71-22897 *	#	US-PATENT-CLASS-242-128	c 15	N82-24272 *	#
US-PATENT-CLASS-235-151.31	c 10	N73-25240 *	#	US-PATENT-CLASS-235-92	c 08	N71-24891 *	#	US-PATENT-CLASS-242-187	c 37	N77-14479 *	#
US-PATENT-CLASS-235-151.34	c 35	N76-14431 *	#	US-PATENT-CLASS-235-92	c 10	N71-27137 *	#	US-PATENT-CLASS-242-192	c 14	N71-23698 *	#
US-PATENT-CLASS-235-151.3	c 52	N74-22771 *	#	US-PATENT-CLASS-235-92							

US-PATENT-CLASS-244-1.55

REPORT NUMBER INDEX

US-PATENT-CLASS-244-1.55	c 03	N73-20040 *	US-PATENT-CLASS-244-139	c 05	N85-21147 *	US-PATENT-CLASS-244-195	c 08	N79-23097 *
US-PATENT-CLASS-244-1A	c 33	N77-10429 *	US-PATENT-CLASS-244-139	c 08	N85-35200 *	US-PATENT-CLASS-244-195	c 08	N81-24106 *
US-PATENT-CLASS-244-1R	c 34	N79-31523 *	US-PATENT-CLASS-244-13	c 01	N71-23497 *	US-PATENT-CLASS-244-199	c 07	N85-35194 *
US-PATENT-CLASS-244-1SA	c 21	N72-21624 *	US-PATENT-CLASS-244-13	c 02	N73-26005 *	US-PATENT-CLASS-244-1	c 31	N69-27499 *
US-PATENT-CLASS-244-1SA	c 21	N72-25595 *	US-PATENT-CLASS-244-13	c 05	N75-25914 *	US-PATENT-CLASS-244-1	c 03	N70-33343 *
US-PATENT-CLASS-244-1SA	c 03	N73-20039 *	US-PATENT-CLASS-244-13	c 05	N84-12154 *	US-PATENT-CLASS-244-1	c 33	N70-33344 *
US-PATENT-CLASS-244-1SA	c 15	N73-25513 *	US-PATENT-CLASS-244-140	c 02	N70-38009 *	US-PATENT-CLASS-244-1	c 03	N70-34157 *
US-PATENT-CLASS-244-1SA	c 21	N73-30640 *	US-PATENT-CLASS-244-145	c 02	N74-10034 *	US-PATENT-CLASS-244-1	c 31	N70-34176 *
US-PATENT-CLASS-244-1SA	c 19	N74-15089 *	US-PATENT-CLASS-244-147	c 05	N85-21147 *	US-PATENT-CLASS-244-1	c 21	N70-34295 *
US-PATENT-CLASS-244-1SA	c 35	N74-28097 *	US-PATENT-CLASS-244-14	c 14	N70-33322 *	US-PATENT-CLASS-244-1	c 31	N70-34296 *
US-PATENT-CLASS-244-1SB	c 15	N73-12486 *	US-PATENT-CLASS-244-15.5	c 31	N72-18859 *	US-PATENT-CLASS-244-1	c 21	N70-35395 *
US-PATENT-CLASS-244-1SC	c 31	N73-32750 *	US-PATENT-CLASS-244-150	c 15	N71-24600 *	US-PATENT-CLASS-244-1	c 31	N70-36410 *
US-PATENT-CLASS-244-1SC	c 34	N75-12222 *	US-PATENT-CLASS-244-151R	c 33	N74-22865 *	US-PATENT-CLASS-244-1	c 33	N70-36617 *
US-PATENT-CLASS-244-1SD	c 31	N73-26876 *	US-PATENT-CLASS-244-152	c 02	N70-36804 *	US-PATENT-CLASS-244-1	c 21	N70-36943 *
US-PATENT-CLASS-244-1SD	c 37	N74-27903 *	US-PATENT-CLASS-244-155	c 30	N73-12884 *	US-PATENT-CLASS-244-1	c 31	N70-37924 *
US-PATENT-CLASS-244-1SD	c 15	N77-10112 *	US-PATENT-CLASS-244-155	c 31	N73-14854 *	US-PATENT-CLASS-244-1	c 31	N70-37938 *
US-PATENT-CLASS-244-1SS	c 11	N73-13257 *	US-PATENT-CLASS-244-158.R	c 20	N86-26368 *	US-PATENT-CLASS-244-1	c 31	N70-37986 *
US-PATENT-CLASS-244-1SS	c 03	N73-20039 *	US-PATENT-CLASS-244-158-A	c 37	N85-30335 *	US-PATENT-CLASS-244-1	c 31	N70-38676 *
US-PATENT-CLASS-244-1SS	c 14	N73-27378 *	US-PATENT-CLASS-244-158-A	c 05	N86-19310 *	US-PATENT-CLASS-244-1	c 30	N70-40016 *
US-PATENT-CLASS-244-1SS	c 31	N73-30829 *	US-PATENT-CLASS-244-158-R	c 05	N86-19310 *	US-PATENT-CLASS-244-1	c 31	N70-41373 *
US-PATENT-CLASS-244-1SS	c 31	N73-32750 *	US-PATENT-CLASS-244-158-R	c 18	N86-20469 *	US-PATENT-CLASS-244-1	c 31	N70-41583 *
US-PATENT-CLASS-244-1SS	c 33	N73-32818 *	US-PATENT-CLASS-244-158A	c 27	N82-24339 *	US-PATENT-CLASS-244-1	c 31	N70-41631 *
US-PATENT-CLASS-244-1SS	c 18	N74-22136 *	US-PATENT-CLASS-244-158A	c 27	N82-29456 *	US-PATENT-CLASS-244-1	c 31	N70-41855 *
US-PATENT-CLASS-244-1SS	c 18	N74-27397 *	US-PATENT-CLASS-244-158A	c 24	N82-32417 *	US-PATENT-CLASS-244-1	c 21	N70-41856 *
US-PATENT-CLASS-244-1SS	c 73	N75-30876 *	US-PATENT-CLASS-244-158A	c 24	N83-13172 *	US-PATENT-CLASS-244-1	c 31	N70-42075 *
US-PATENT-CLASS-244-100	c 15	N70-34850 *	US-PATENT-CLASS-244-158A	c 16	N84-22601 *	US-PATENT-CLASS-244-1	c 03	N71-11058 *
US-PATENT-CLASS-244-100	c 31	N70-36654 *	US-PATENT-CLASS-244-158A	c 27	N84-27886 *	US-PATENT-CLASS-244-1	c 33	N71-14035 *
US-PATENT-CLASS-244-100	c 31	N70-36945 *	US-PATENT-CLASS-244-158R	c 31	N81-25258 *	US-PATENT-CLASS-244-1	c 21	N71-14132 *
US-PATENT-CLASS-244-100	c 02	N70-41589 *	US-PATENT-CLASS-244-158R	c 16	N84-27784 *	US-PATENT-CLASS-244-1	c 21	N71-14159 *
US-PATENT-CLASS-244-103R	c 37	N81-24443 *	US-PATENT-CLASS-244-158R	c 18	N85-29991 *	US-PATENT-CLASS-244-1	c 21	N71-15583 *
US-PATENT-CLASS-244-103	c 02	N70-36825 *	US-PATENT-CLASS-244-158R	c 37	N85-34401 *	US-PATENT-CLASS-244-1	c 31	N71-15663 *
US-PATENT-CLASS-244-110B	c 07	N82-26293 *	US-PATENT-CLASS-244-158R	c 37	N87-17036 *	US-PATENT-CLASS-244-1	c 31	N71-15674 *
US-PATENT-CLASS-244-110C	c 37	N82-18601 *	US-PATENT-CLASS-244-158	c 37	N76-22540 *	US-PATENT-CLASS-244-1	c 31	N71-15676 *
US-PATENT-CLASS-244-113	c 02	N70-37939 *	US-PATENT-CLASS-244-158	c 27	N79-12221 *	US-PATENT-CLASS-244-1	c 02	N71-16087 *
US-PATENT-CLASS-244-113	c 31	N71-25434 *	US-PATENT-CLASS-244-159	c 18	N79-11108 *	US-PATENT-CLASS-244-1	c 31	N71-16222 *
US-PATENT-CLASS-244-113	c 02	N77-10001 *	US-PATENT-CLASS-244-159	c 07	N83-20944 *	US-PATENT-CLASS-244-1	c 31	N71-16345 *
US-PATENT-CLASS-244-113	c 37	N82-16408 *	US-PATENT-CLASS-244-159	c 31	N83-31895 *	US-PATENT-CLASS-244-1	c 31	N71-16346 *
US-PATENT-CLASS-244-113	c 08	N85-35200 *	US-PATENT-CLASS-244-159	c 18	N86-24729 *	US-PATENT-CLASS-244-1	c 31	N71-16779 *
US-PATENT-CLASS-244-114R	c 04	N82-16059 *	US-PATENT-CLASS-244-159	c 37	N86-25789 *	US-PATENT-CLASS-244-1	c 15	N71-17693 *
US-PATENT-CLASS-244-114	c 21	N72-22619 *	US-PATENT-CLASS-244-15	c 05	N75-25914 *	US-PATENT-CLASS-244-1	c 31	N71-17729 *
US-PATENT-CLASS-244-115	c 18	N83-29303 *	US-PATENT-CLASS-244-160	c 27	N79-12221 *	US-PATENT-CLASS-244-1	c 15	N71-19214 *
US-PATENT-CLASS-244-117A	c 33	N73-25952 *	US-PATENT-CLASS-244-160	c 43	N81-17499 *	US-PATENT-CLASS-244-1	c 03	N71-20273 *
US-PATENT-CLASS-244-117A	c 34	N76-17317 *	US-PATENT-CLASS-244-160	c 14	N81-26161 *	US-PATENT-CLASS-244-1	c 31	N71-20396 *
US-PATENT-CLASS-244-117A	c 37	N76-19437 *	US-PATENT-CLASS-244-160	c 27	N82-24339 *	US-PATENT-CLASS-244-1	c 31	N71-21064 *
US-PATENT-CLASS-244-117A	c 34	N77-18382 *	US-PATENT-CLASS-244-160	c 27	N82-29456 *	US-PATENT-CLASS-244-1	c 14	N71-21082 *
US-PATENT-CLASS-244-117A	c 05	N81-26114 *	US-PATENT-CLASS-244-161	c 18	N76-14186 *	US-PATENT-CLASS-244-1	c 21	N71-21708 *
US-PATENT-CLASS-244-117A	c 27	N84-27886 *	US-PATENT-CLASS-244-161	c 37	N76-22540 *	US-PATENT-CLASS-244-1	c 31	N71-21881 *
US-PATENT-CLASS-244-117	c 31	N70-33242 *	US-PATENT-CLASS-244-161	c 37	N77-23483 *	US-PATENT-CLASS-244-1	c 33	N71-22792 *
US-PATENT-CLASS-244-117	c 33	N72-17947 *	US-PATENT-CLASS-244-161	c 15	N78-25119 *	US-PATENT-CLASS-244-1	c 31	N71-22968 *
US-PATENT-CLASS-244-118.1	c 08	N82-32373 *	US-PATENT-CLASS-244-161	c 37	N80-14398 *	US-PATENT-CLASS-244-1	c 31	N71-22969 *
US-PATENT-CLASS-244-118.1	c 18	N85-29991 *	US-PATENT-CLASS-244-161	c 37	N81-14320 *	US-PATENT-CLASS-244-1	c 31	N71-23009 *
US-PATENT-CLASS-244-118.1	c 37	N85-34401 *	US-PATENT-CLASS-244-161	c 37	N81-27519 *	US-PATENT-CLASS-244-1	c 14	N71-23040 *
US-PATENT-CLASS-244-118.1	c 05	N87-14314 *	US-PATENT-CLASS-244-161	c 18	N83-29303 *	US-PATENT-CLASS-244-1	c 31	N71-23912 *
US-PATENT-CLASS-244-119	c 02	N81-14968 *	US-PATENT-CLASS-244-161	c 18	N84-22605 *	US-PATENT-CLASS-244-1	c 31	N71-24315 *
US-PATENT-CLASS-244-119	c 24	N82-24296 *	US-PATENT-CLASS-244-161	c 16	N86-26352 *	US-PATENT-CLASS-244-1	c 15	N71-24600 *
US-PATENT-CLASS-244-119	c 24	N82-26384 *	US-PATENT-CLASS-244-162	c 18	N75-19329 *	US-PATENT-CLASS-244-1	c 05	N71-24728 *
US-PATENT-CLASS-244-119	c 24	N84-11214 *	US-PATENT-CLASS-244-162	c 18	N76-17185 *	US-PATENT-CLASS-244-1	c 33	N71-25353 *
US-PATENT-CLASS-244-12.5	c 08	N81-19130 *	US-PATENT-CLASS-244-163	c 37	N76-19437 *	US-PATENT-CLASS-244-1	c 31	N71-25434 *
US-PATENT-CLASS-244-121	c 27	N79-12221 *	US-PATENT-CLASS-244-163	c 24	N79-25142 *	US-PATENT-CLASS-244-1	c 31	N71-26537 *
US-PATENT-CLASS-244-121	c 24	N79-25142 *	US-PATENT-CLASS-244-163	c 34	N79-31523 *	US-PATENT-CLASS-244-1	c 15	N71-26611 *
US-PATENT-CLASS-244-121	c 15	N79-26100 *	US-PATENT-CLASS-244-163	c 05	N81-26114 *	US-PATENT-CLASS-244-1	c 28	N71-27095 *
US-PATENT-CLASS-244-121	c 27	N82-24339 *	US-PATENT-CLASS-244-163	c 37	N82-16408 *	US-PATENT-CLASS-244-1	c 21	N71-27324 *
US-PATENT-CLASS-244-121	c 27	N82-29456 *	US-PATENT-CLASS-244-163	c 27	N82-29456 *	US-PATENT-CLASS-244-1	c 33	N71-28903 *
US-PATENT-CLASS-244-121	c 37	N87-17036 *	US-PATENT-CLASS-244-163	c 35	N85-29214 *	US-PATENT-CLASS-244-1	c 15	N71-28936 *
US-PATENT-CLASS-244-122	c 05	N71-20718 *	US-PATENT-CLASS-244-165	c 15	N76-14158 *	US-PATENT-CLASS-244-1	c 31	N71-29050 *
US-PATENT-CLASS-244-123	c 24	N77-28225 *	US-PATENT-CLASS-244-165	c 35	N77-20399 *	US-PATENT-CLASS-244-1	c 31	N71-33160 *
US-PATENT-CLASS-244-123	c 24	N82-24296 *	US-PATENT-CLASS-244-165	c 35	N80-21719 *	US-PATENT-CLASS-244-200	c 02	N87-16793 *
US-PATENT-CLASS-244-123	c 24	N82-26384 *	US-PATENT-CLASS-244-167	c 15	N70-25119 *	US-PATENT-CLASS-244-210	c 02	N87-16793 *
US-PATENT-CLASS-244-123	c 24	N84-11214 *	US-PATENT-CLASS-244-168	c 04	N82-23231 *	US-PATENT-CLASS-244-212	c 05	N84-22551 *
US-PATENT-CLASS-244-127	c 34	N74-23039 *	US-PATENT-CLASS-244-169	c 15	N77-10113 *	US-PATENT-CLASS-244-213	c 08	N82-24205 *
US-PATENT-CLASS-244-12	c 02	N70-33332 *	US-PATENT-CLASS-244-169	c 18	N83-28064 *	US-PATENT-CLASS-244-214	c 08	N85-19985 *
US-PATENT-CLASS-244-130	c 02	N77-10001 *	US-PATENT-CLASS-244-169	c 20	N86-26368 *	US-PATENT-CLASS-244-215	c 05	N84-22551 *
US-PATENT-CLASS-244-130	c 02	N81-14968 *	US-PATENT-CLASS-244-16	c 02	N70-41863 *	US-PATENT-CLASS-244-216	c 05	N84-22551 *
US-PATENT-CLASS-244-130	c 37	N81-24443 *	US-PATENT-CLASS-244-17.13	c 02	N73-19004 *	US-PATENT-CLASS-244-217	c 37	N82-16408 *
US-PATENT-CLASS-244-130	c 02	N87-16793 *	US-PATENT-CLASS-244-17.13	c 08	N79-23097 *	US-PATENT-CLASS-244-218	c 05	N78-32086 *
US-PATENT-CLASS-244-130	c 07	N87-16828 *	US-PATENT-CLASS-244-17.25	c 05	N81-19087 *	US-PATENT-CLASS-244-218	c 08	N79-14108 *
US-PATENT-CLASS-244-132	c 24	N82-26384 *	US-PATENT-CLASS-244-17.27	c 05	N87-14314 *	US-PATENT-CLASS-244-219	c 05	N84-22551 *
US-PATENT-CLASS-244-132	c 24	N82-32417 *	US-PATENT-CLASS-244-170	c 35	N80-21719 *	US-PATENT-CLASS-244-226	c 08	N82-24205 *
US-PATENT-CLASS-244-134-D	c 33	N86-20671 *	US-PATENT-CLASS-244-170	c 18	N83-28064 *	US-PATENT-CLASS-244-23A	c 21	N72-25595 *
US-PATENT-CLASS-244-135R	c 34	N76-17317 *	US-PATENT-CLASS-244-171	c 15	N77-10113 *	US-PATENT-CLASS-244-23C	c 05	N82-26277 *
US-PATENT-CLASS-244-135R	c 20	N80-10278 *	US-PATENT-CLASS-244-171	c 35	N77-20399 *	US-PATENT-CLASS-244-23D	c 34	N76-18364 *
US-PATENT-CLASS-244-135	c 31	N70-42015 *	US-PATENT-CLASS-244-172	c 18	N76-17185 *	US-PATENT-CLASS-244-234	c 08	N86-27288 *
US-PATENT-CLASS-244-135	c 15	N73-12486 *	US-PATENT-CLASS-244-172	c 16	N84-27784 *	US-PATENT-CLASS-244-23	c 02	N71-11039 *
US-PATENT-CLASS-244-135	c 14	N73-27378 *	US-PATENT-CLASS-244-172	c 18	N84-27787 *	US-PATENT-CLASS-244-2	c 14	N81-26161 *
US-PATENT-CLASS-244-137-A	c 05	N87-14314 *	US-PATENT-CLASS-244-172	c 05	N86-19310 *	US-PATENT-CLASS-244-2	c 18	N84-27787 *
US-PATENT-CLASS-244-137P	c 31	N73-26876 *	US-PATENT-CLASS-244-173	c 44	N75-32581 *	US-PATENT-CLASS-244-3.14	c 31	N71-17691 *
US-PATENT-CLASS-244-137P	c 37	N76-22540 *	US-PATENT-CLASS-244-173	c 37	N81-15364 *	US-PATENT-CLASS-244-3.16	c 19	N74-15089 *
US-PATENT-CLASS-244-137P	c 01	N83-35992 *	US-PATENT-CLASS-244-173	c 07	N83-20944 *	US-PATENT-CLASS-244-3.21	c 30	N72-17873 *
US-PATENT-CLASS-244-137R	c 08	N82-32373 *	US-PATENT-CLASS-244-173	c 37	N86-25789 *	US-PATENT-CLASS-244-3.21	c 15	N76-14158 *
US-PATENT-CLASS-244-138	c 01	N69-39981 *	US-PATENT-CLASS-244-175	c 04	N82-23231 *	US-PATENT-CLASS-244-3.21	c 15	N77-10113 *
US-PATENT-CLASS-244-138	c 02	N70-41630 *	US-PATENT-CLASS-244-181	c 08	N81-24106 *	US-PATENT-CLASS-244-3.21	c 35	N77-20399 *
US-PATENT-CLASS-244-138	c 31	N71-16085 *	US-PATENT-CLASS-244-181	c 08	N81-26152 *	US-PATENT-CLASS-244-3.22	c 31	N71-17629 *
US-PATENT-CLASS-244-138	c 31	N71-25434 *	US-PATENT-CLASS-244-181	c 06	N86-27280 *	US-PATENT-CLASS-244-3.22	c 28	N72-22769 *
US-PATENT-CLASS-244-138	c 31	N71-28851 *	US-PATENT-CLASS-244-182	c 08	N81-26152 *	US-PATENT-CLASS-244-3.22	c 20	N76-21275 *
US-PATENT-CLASS-244-139	c 31	N73-13898 *	US-PATENT-CLASS-244-190	c 04	N82-23231 *	US-PATENT-CLASS-244-31	c 02	N71-11037 *
US-PATENT-CLASS-244-139	c 02	N76-16014 *	US-PATENT-CLASS-244-194	c 60	N82-29013 *	US-PATENT-CLASS-244-31	c 31	N71-16081 *

REPORT NUMBER INDEX

US-PATENT-CLASS-250-281

US-PATENT-CLASS-244-31	c 34	N74-23039 *	US-PATENT-CLASS-248-16	c 18	N74-27397 *	US-PATENT-CLASS-250-207	c 14	N72-17328 *
US-PATENT-CLASS-244-327	c 08	N73-30421 *	US-PATENT-CLASS-248-178	c 15	N70-41310 *	US-PATENT-CLASS-250-207	c 14	N73-32317 *
US-PATENT-CLASS-244-32	c 02	N73-13008 *	US-PATENT-CLASS-248-178	c 37	N78-27425 *	US-PATENT-CLASS-250-207	c 33	N74-27682 *
US-PATENT-CLASS-244-34A	c 05	N82-26277 *	US-PATENT-CLASS-248-183	c 14	N71-26627 *	US-PATENT-CLASS-250-208	c 14	N72-20379 *
US-PATENT-CLASS-244-35A	c 02	N84-11136 *	US-PATENT-CLASS-248-183	c 15	N72-11386 *	US-PATENT-CLASS-250-209	c 07	N69-39980 *
US-PATENT-CLASS-244-35R	c 02	N76-22154 *	US-PATENT-CLASS-248-186	c 37	N78-27425 *	US-PATENT-CLASS-250-209	c 20	N71-16340 *
US-PATENT-CLASS-244-35R	c 02	N84-11136 *	US-PATENT-CLASS-248-188.4	c 15	N72-27484 *	US-PATENT-CLASS-250-209	c 10	N72-17173 *
US-PATENT-CLASS-244-35R	c 02	N84-28732 *	US-PATENT-CLASS-248-188.9	c 31	N70-34159 *	US-PATENT-CLASS-250-209	c 14	N72-25409 *
US-PATENT-CLASS-244-35R	c 02	N87-16793 *	US-PATENT-CLASS-248-18	c 14	N69-27486 *	US-PATENT-CLASS-250-209	c 14	N73-16483 *
US-PATENT-CLASS-244-35	c 01	N71-13410 *	US-PATENT-CLASS-248-18	c 15	N72-11391 *	US-PATENT-CLASS-250-209	c 14	N73-26432 *
US-PATENT-CLASS-244-40R	c 02	N76-22154 *	US-PATENT-CLASS-248-20	c 15	N72-11391 *	US-PATENT-CLASS-250-209	c 14	N73-28490 *
US-PATENT-CLASS-244-42CG	c 33	N77-10429 *	US-PATENT-CLASS-248-228	c 37	N84-16560 *	US-PATENT-CLASS-250-209	c 21	N73-30640 *
US-PATENT-CLASS-244-42DA	c 05	N75-25914 *	US-PATENT-CLASS-248-22	c 19	N76-22284 *	US-PATENT-CLASS-250-209	c 44	N81-24520 *
US-PATENT-CLASS-244-42	c 02	N70-42016 *	US-PATENT-CLASS-248-23	c 18	N74-27397 *	US-PATENT-CLASS-250-211J	c 09	N72-17152 *
US-PATENT-CLASS-244-42	c 02	N71-26110 *	US-PATENT-CLASS-248-278	c 15	N72-11386 *	US-PATENT-CLASS-250-211J	c 09	N73-14214 *
US-PATENT-CLASS-244-43	c 02	N70-33255 *	US-PATENT-CLASS-248-27	c 15	N71-20813 *	US-PATENT-CLASS-250-211J	c 35	N74-15090 *
US-PATENT-CLASS-244-43	c 02	N71-11043 *	US-PATENT-CLASS-248-317	c 11	N69-27466 *	US-PATENT-CLASS-250-211K	c 74	N77-22951 *
US-PATENT-CLASS-244-44	c 02	N71-11038 *	US-PATENT-CLASS-248-346	c 14	N70-39898 *	US-PATENT-CLASS-250-211K	c 44	N80-18552 *
US-PATENT-CLASS-244-45A	c 05	N78-32086 *	US-PATENT-CLASS-248-358R	c 37	N75-18573 *	US-PATENT-CLASS-250-211K	c 08	N86-27288 *
US-PATENT-CLASS-244-45R	c 05	N84-12154 *	US-PATENT-CLASS-248-358R	c 19	N76-22284 *	US-PATENT-CLASS-250-211R	c 36	N75-19652 *
US-PATENT-CLASS-244-45	c 02	N71-12243 *	US-PATENT-CLASS-248-358	c 15	N70-40156 *	US-PATENT-CLASS-250-211R	c 35	N75-23910 *
US-PATENT-CLASS-244-46	c 02	N70-33266 *	US-PATENT-CLASS-248-358	c 23	N71-15673 *	US-PATENT-CLASS-250-212	c 03	N71-23354 *
US-PATENT-CLASS-244-46	c 02	N70-33286 *	US-PATENT-CLASS-248-358	c 15	N71-24694 *	US-PATENT-CLASS-250-212	c 03	N73-20040 *
US-PATENT-CLASS-244-46	c 02	N70-34178 *	US-PATENT-CLASS-248-36-3	c 37	N78-17383 *	US-PATENT-CLASS-250-212	c 09	N73-32109 *
US-PATENT-CLASS-244-46	c 02	N70-34858 *	US-PATENT-CLASS-248-360	c 15	N71-17649 *	US-PATENT-CLASS-250-213VT	c 74	N78-18905 *
US-PATENT-CLASS-244-46	c 31	N70-38010 *	US-PATENT-CLASS-248-361	c 05	N71-28619 *	US-PATENT-CLASS-250-214AL	c 74	N79-12890 *
US-PATENT-CLASS-244-46	c 02	N70-38011 *	US-PATENT-CLASS-248-362	c 37	N76-21554 *	US-PATENT-CLASS-250-214A	c 33	N77-14335 *
US-PATENT-CLASS-244-46	c 02	N71-11041 *	US-PATENT-CLASS-248-363	c 37	N76-21554 *	US-PATENT-CLASS-250-214R	c 14	N73-28490 *
US-PATENT-CLASS-244-46	c 02	N73-26005 *	US-PATENT-CLASS-248-425	c 37	N82-21587 *	US-PATENT-CLASS-250-214R	c 74	N79-12890 *
US-PATENT-CLASS-244-46	c 05	N76-29217 *	US-PATENT-CLASS-248-487	c 15	N72-11386 *	US-PATENT-CLASS-250-214	c 14	N73-25462 *
US-PATENT-CLASS-244-46	c 05	N78-32086 *	US-PATENT-CLASS-248-503	c 18	N85-29991 *	US-PATENT-CLASS-250-214	c 14	N73-25462 *
US-PATENT-CLASS-244-46	c 08	N79-14108 *	US-PATENT-CLASS-248-550	c 37	N85-34401 *	US-PATENT-CLASS-250-214	c 35	N74-15090 *
US-PATENT-CLASS-244-48	c 05	N79-12061 *	US-PATENT-CLASS-248-555	c 18	N85-29991 *	US-PATENT-CLASS-250-214	c 33	N82-28545 *
US-PATENT-CLASS-244-48	c 05	N82-28279 *	US-PATENT-CLASS-248-636	c 35	N83-32026 *	US-PATENT-CLASS-250-215	c 14	N73-16483 *
US-PATENT-CLASS-244-49	c 43	N81-17499 *	US-PATENT-CLASS-248-638	c 35	N83-32026 *	US-PATENT-CLASS-250-216	c 74	N79-34011 *
US-PATENT-CLASS-244-4	c 05	N69-21380 *	US-PATENT-CLASS-248-638	c 05	N87-14314 *	US-PATENT-CLASS-250-216	c 74	N82-24072 *
US-PATENT-CLASS-244-4	c 05	N71-12336 *	US-PATENT-CLASS-248	c 25	N79-28253 *	US-PATENT-CLASS-250-217F	c 14	N73-16484 *
US-PATENT-CLASS-244-4	c 28	N71-27585 *	US-PATENT-CLASS-249-144	c 31	N75-13111 *	US-PATENT-CLASS-250-217R	c 14	N73-19419 *
US-PATENT-CLASS-244-50	c 02	N70-34160 *	US-PATENT-CLASS-249-145	c 31	N74-32920 *	US-PATENT-CLASS-250-217SS	c 09	N73-14214 *
US-PATENT-CLASS-244-51	c 02	N70-34856 *	US-PATENT-CLASS-249-145	c 31	N75-13111 *	US-PATENT-CLASS-250-217SS	c 36	N74-15145 *
US-PATENT-CLASS-244-52	c 08	N81-19130 *	US-PATENT-CLASS-249-184	c 31	N74-32920 *	US-PATENT-CLASS-250-217	c 14	N69-39896 *
US-PATENT-CLASS-244-53A	c 07	N78-18066 *	US-PATENT-CLASS-249-59	c 31	N75-13111 *	US-PATENT-CLASS-250-217	c 14	N73-16483 *
US-PATENT-CLASS-244-53B	c 02	N74-20646 *	US-PATENT-CLASS-249-83	c 31	N74-32920 *	US-PATENT-CLASS-250-217	c 36	N74-13205 *
US-PATENT-CLASS-244-53B	c 07	N75-24736 *	US-PATENT-CLASS-249-95	c 31	N74-32920 *	US-PATENT-CLASS-250-218	c 14	N71-22996 *
US-PATENT-CLASS-244-53B	c 07	N77-18154 *	US-PATENT-CLASS-25-156	c 15	N71-16076 *	US-PATENT-CLASS-250-218	c 14	N71-28994 *
US-PATENT-CLASS-244-53B	c 05	N79-24976 *	US-PATENT-CLASS-250-105	c 14	N70-40240 *	US-PATENT-CLASS-250-218	c 74	N78-33913 *
US-PATENT-CLASS-244-53B	c 85	N82-33288 *	US-PATENT-CLASS-250-105	c 14	N73-30389 *	US-PATENT-CLASS-250-219DF	c 91	N74-13130 *
US-PATENT-CLASS-244-53R	c 05	N84-12154 *	US-PATENT-CLASS-250-199	c 16	N69-27491 *	US-PATENT-CLASS-250-219TH	c 26	N73-26751 *
US-PATENT-CLASS-244-53	c 28	N71-15563 *	US-PATENT-CLASS-250-199	c 07	N71-12389 *	US-PATENT-CLASS-250-219	c 14	N71-28993 *
US-PATENT-CLASS-244-54	c 07	N78-18066 *	US-PATENT-CLASS-250-199	c 16	N71-22895 *	US-PATENT-CLASS-250-221	c 33	N82-28545 *
US-PATENT-CLASS-244-54	c 07	N79-14096 *	US-PATENT-CLASS-250-199	c 16	N71-25914 *	US-PATENT-CLASS-250-221	c 74	N85-22139 *
US-PATENT-CLASS-244-55	c 02	N73-26005 *	US-PATENT-CLASS-250-199	c 16	N71-27183 *	US-PATENT-CLASS-250-225	c 14	N71-24864 *
US-PATENT-CLASS-244-55	c 05	N75-25914 *	US-PATENT-CLASS-250-199	c 16	N71-28963 *	US-PATENT-CLASS-250-225	c 14	N72-27409 *
US-PATENT-CLASS-244-55	c 05	N84-12154 *	US-PATENT-CLASS-250-199	c 16	N73-16536 *	US-PATENT-CLASS-250-225	c 32	N86-20647 *
US-PATENT-CLASS-244-55	c 07	N85-35194 *	US-PATENT-CLASS-250-199	c 07	N73-26119 *	US-PATENT-CLASS-250-226	c 14	N72-25409 *
US-PATENT-CLASS-244-55	c 07	N87-16628 *	US-PATENT-CLASS-250-199	c 74	N76-18913 *	US-PATENT-CLASS-250-226	c 43	N79-17288 *
US-PATENT-CLASS-244-57	c 15	N71-26611 *	US-PATENT-CLASS-250-199	c 74	N76-30053 *	US-PATENT-CLASS-250-226	c 74	N82-30071 *
US-PATENT-CLASS-244-63	c 09	N77-19076 *	US-PATENT-CLASS-250-199	c 74	N77-26942 *	US-PATENT-CLASS-250-227	c 14	N71-22991 *
US-PATENT-CLASS-244-63	c 14	N81-26161 *	US-PATENT-CLASS-250-199	c 32	N77-28346 *	US-PATENT-CLASS-250-227	c 14	N71-23240 *
US-PATENT-CLASS-244-63	c 16	N84-27784 *	US-PATENT-CLASS-250-199	c 60	N77-32731 *	US-PATENT-CLASS-250-227	c 60	N77-14751 *
US-PATENT-CLASS-244-63	c 18	N84-27787 *	US-PATENT-CLASS-250-199	c 74	N78-14889 *	US-PATENT-CLASS-250-227	c 74	N78-33913 *
US-PATENT-CLASS-244-75-R	c 08	N85-35200 *	US-PATENT-CLASS-250-201	c 14	N70-40238 *	US-PATENT-CLASS-250-227	c 74	N83-19597 *
US-PATENT-CLASS-244-75R	c 02	N73-26004 *	US-PATENT-CLASS-250-201	c 35	N75-15014 *	US-PATENT-CLASS-250-227	c 74	N84-11921 *
US-PATENT-CLASS-244-75R	c 05	N75-12930 *	US-PATENT-CLASS-250-201	c 74	N78-17866 *	US-PATENT-CLASS-250-228	c 74	N86-26190 *
US-PATENT-CLASS-244-76C	c 05	N85-21147 *	US-PATENT-CLASS-250-203R	c 14	N72-27409 *	US-PATENT-CLASS-250-229	c 08	N73-30135 *
US-PATENT-CLASS-244-76	c 02	N73-26004 *	US-PATENT-CLASS-250-203R	c 14	N73-25462 *	US-PATENT-CLASS-250-231R	c 74	N82-30071 *
US-PATENT-CLASS-244-76	c 21	N70-34539 *	US-PATENT-CLASS-250-203R	c 14	N73-28490 *	US-PATENT-CLASS-250-231SE	c 74	N74-21304 *
US-PATENT-CLASS-244-76	c 02	N71-13422 *	US-PATENT-CLASS-250-203R	c 21	N73-30640 *	US-PATENT-CLASS-250-231SE	c 44	N80-18552 *
US-PATENT-CLASS-244-76	c 02	N71-20570 *	US-PATENT-CLASS-250-203R	c 19	N74-15089 *	US-PATENT-CLASS-250-231	c 14	N73-20475 *
US-PATENT-CLASS-244-77A	c 04	N74-13420 *	US-PATENT-CLASS-250-203R	c 89	N74-30886 *	US-PATENT-CLASS-250-232	c 23	N71-21821 *
US-PATENT-CLASS-244-77B	c 04	N74-13420 *	US-PATENT-CLASS-250-203R	c 35	N77-20401 *	US-PATENT-CLASS-250-233	c 23	N71-16100 *
US-PATENT-CLASS-244-77D	c 02	N73-19004 *	US-PATENT-CLASS-250-203R	c 74	N77-22951 *	US-PATENT-CLASS-250-234	c 03	N73-20040 *
US-PATENT-CLASS-244-77F	c 02	N73-26004 *	US-PATENT-CLASS-250-203R	c 44	N81-24520 *	US-PATENT-CLASS-250-235	c 14	N72-11364 *
US-PATENT-CLASS-244-77G	c 02	N73-26004 *	US-PATENT-CLASS-250-203R	c 32	N83-18975 *	US-PATENT-CLASS-250-235	c 43	N82-13465 *
US-PATENT-CLASS-244-77	c 32	N71-23971 *	US-PATENT-CLASS-250-203R	c 47	N83-32232 *	US-PATENT-CLASS-250-235	c 74	N82-24072 *
US-PATENT-CLASS-244-78	c 08	N82-24205 *	US-PATENT-CLASS-250-203X	c 16	N72-13437 *	US-PATENT-CLASS-250-236	c 21	N73-30640 *
US-PATENT-CLASS-244-79	c 04	N76-26175 *	US-PATENT-CLASS-250-203	c 14	N69-27432 *	US-PATENT-CLASS-250-236	c 43	N82-13465 *
US-PATENT-CLASS-244-82	c 05	N79-12061 *	US-PATENT-CLASS-250-203	c 14	N69-27485 *	US-PATENT-CLASS-250-237G	c 74	N79-20856 *
US-PATENT-CLASS-244-83G	c 08	N79-23097 *	US-PATENT-CLASS-250-203	c 07	N69-39736 *	US-PATENT-CLASS-250-237R	c 08	N73-30135 *
US-PATENT-CLASS-244-83R	c 05	N75-12930 *	US-PATENT-CLASS-250-203	c 14	N70-34158 *	US-PATENT-CLASS-250-237R	c 19	N74-15089 *
US-PATENT-CLASS-244-83	c 21	N70-33279 *	US-PATENT-CLASS-250-203	c 21	N70-35089 *	US-PATENT-CLASS-250-237	c 14	N69-24331 *
US-PATENT-CLASS-244-83	c 15	N71-23255 *	US-PATENT-CLASS-250-203	c 14	N70-40239 *	US-PATENT-CLASS-250-238	c 33	N75-31332 *
US-PATENT-CLASS-244-83	c 31	N71-33160 *	US-PATENT-CLASS-250-203	c 21	N71-10678 *	US-PATENT-CLASS-250-238	c 32	N77-28346 *
US-PATENT-CLASS-244-83	c 08	N74-10942 *	US-PATENT-CLASS-250-203	c 21	N71-10771 *	US-PATENT-CLASS-250-239	c 08	N73-30135 *
US-PATENT-CLASS-244-87	c 08	N81-19130 *	US-PATENT-CLASS-250-203	c 21	N71-15642 *	US-PATENT-CLASS-250-239	c 74	N78-33913 *
US-PATENT-CLASS-244-90R	c 08	N74-30421 *	US-PATENT-CLASS-250-203	c 14	N71-19568 *	US-PATENT-CLASS-250-251	c 35	N76-15431 *
US-PATENT-CLASS-244-90R	c 05	N79-12061 *	US-PATENT-CLASS-250-203	c 14	N71-23269 *	US-PATENT-CLASS-250-251	c 35	N84-33767 *
US-PATENT-CLASS-244-90R	c 08	N79-14108 *	US-PATENT-CLASS-250-203	c 14	N71-23797 *	US-PATENT-CLASS-250-252.1	c 35	N84-33767 *
US-PATENT-CLASS-244-90R	c 08	N85-19985 *	US-PATENT-CLASS-250-203	c 14	N72-22444 *	US-PATENT-CLASS-250-253	c 43	N79-31706 *
US-PATENT-CLASS-244-90	c 02	N71-27088 *	US-PATENT-CLASS-250-203	c 14	N73-30393 *	US-PATENT-CLASS-250-272	c 74	N78-15880 *
US-PATENT-CLASS-244-91	c 08	N74-30421 *	US-PATENT-CLASS-250-203	c 35	N75-23910 *	US-PATENT-CLASS-250-272	c 43	N79-31706 *
US-PATENT-CLASS-244-93	c 05	N84-12154 *	US-PATENT-CLASS-250-204	c 36	N74-21091 *	US-PATENT-CLASS-250-277CH	c 76	N78-24950 *
US-PATENT-CLASS-247-171	c 35	N75-23910 *	US-PATENT-CLASS-250-205	c 14	N72-27411 *	US-PATENT-CLASS-250-277CH	c 74	N80-21140 *
US-PATENT-CLASS-248-119	c 11	N70-35383 *	US-PATENT-CLASS-250-205	c 09	N73-14214 *	US-PATENT-CLASS-250-280	c 76	N78-24950 *
US-PATENT-CLASS-248-14	c 15	N72-17454 *	US-PATENT-CLASS-250-206	c 36	N74-13205 *	US-PATENT-CLASS-250-280	c 74	N80-21140 *
				c 10	N71-20782 *	US-PATENT-CLASS-250-281	c 35	N74-34857 *

US-PATENT-CLASS-250-281	c 35	N76-16393 *	#	US-PATENT-CLASS-250-369	c 35	N74-15091 *	#	US-PATENT-CLASS-250-505	c 35	N75-19616 *	#
US-PATENT-CLASS-250-281	c 36	N77-26477 *	#	US-PATENT-CLASS-250-369	c 35	N82-32659 *	#	US-PATENT-CLASS-250-508	c 35	N75-19616 *	#
US-PATENT-CLASS-250-281	c 72	N80-14877 *	#	US-PATENT-CLASS-250-369	c 35	N85-30281 *	#	US-PATENT-CLASS-250-51.5	c 23	N73-13662 *	#
US-PATENT-CLASS-250-282	c 36	N77-26477 *	#	US-PATENT-CLASS-250-370	c 35	N74-18088 *	#	US-PATENT-CLASS-250-51.5	c 14	N73-28491 *	#
US-PATENT-CLASS-250-282	c 72	N80-14877 *	#	US-PATENT-CLASS-250-370	c 33	N75-31332 *	#	US-PATENT-CLASS-250-510	c 35	N75-19616 *	#
US-PATENT-CLASS-250-282	c 35	N83-27184 *	#	US-PATENT-CLASS-250-370	c 35	N82-31659 *	#	US-PATENT-CLASS-250-511	c 74	N74-27866 *	#
US-PATENT-CLASS-250-283	c 36	N77-26477 *	#	US-PATENT-CLASS-250-370	c 44	N82-32841 *	#	US-PATENT-CLASS-250-513	c 35	N80-28686 *	#
US-PATENT-CLASS-250-287	c 35	N76-15431 *	#	US-PATENT-CLASS-250-370	c 76	N87-13313 *	#	US-PATENT-CLASS-250-518	c 14	N73-30392 *	#
US-PATENT-CLASS-250-287	c 35	N76-16393 *	#	US-PATENT-CLASS-250-371	c 35	N74-18088 *	#	US-PATENT-CLASS-250-51	c 24	N72-11595 *	#
US-PATENT-CLASS-250-288	c 35	N76-16393 *	#	US-PATENT-CLASS-250-372	c 19	N74-29410 *	#	US-PATENT-CLASS-250-527	c 37	N76-18458 *	#
US-PATENT-CLASS-250-288	c 35	N77-32456 *	#	US-PATENT-CLASS-250-372	c 24	N76-24363 *	#	US-PATENT-CLASS-250-527	c 25	N77-32255 *	#
US-PATENT-CLASS-250-288	c 35	N83-27184 *	#	US-PATENT-CLASS-250-372	c 33	N76-27473 *	#	US-PATENT-CLASS-250-527	c 44	N77-32580 *	#
US-PATENT-CLASS-250-289	c 35	N77-14406 *	#	US-PATENT-CLASS-250-372	c 35	N83-21311 *	#	US-PATENT-CLASS-250-527	c 44	N79-11470 *	#
US-PATENT-CLASS-250-290	c 35	N77-10492 *	#	US-PATENT-CLASS-250-372	c 35	N84-33767 *	#	US-PATENT-CLASS-250-527	c 44	N82-16475 *	#
US-PATENT-CLASS-250-291	c 35	N77-10492 *	#	US-PATENT-CLASS-250-373	c 25	N74-26947 *	#	US-PATENT-CLASS-250-528	c 25	N78-25148 *	#
US-PATENT-CLASS-250-295	c 35	N74-34857 *	#	US-PATENT-CLASS-250-373	c 35	N75-30502 *	#	US-PATENT-CLASS-250-52	c 15	N71-15606 *	#
US-PATENT-CLASS-250-296	c 35	N84-28016 *	#	US-PATENT-CLASS-250-373	c 45	N76-17656 *	#	US-PATENT-CLASS-250-52	c 11	N71-23042 *	#
US-PATENT-CLASS-250-298	c 35	N77-14406 *	#	US-PATENT-CLASS-250-374	c 35	N74-26949 *	#	US-PATENT-CLASS-250-52	c 24	N72-11595 *	#
US-PATENT-CLASS-250-304	c 25	N74-26947 *	#	US-PATENT-CLASS-250-374	c 35	N85-34374 *	#	US-PATENT-CLASS-250-52	c 23	N73-13662 *	#
US-PATENT-CLASS-250-305	c 72	N84-28575 *	#	US-PATENT-CLASS-250-379	c 35	N85-34374 *	#	US-PATENT-CLASS-250-531	c 25	N78-25148 *	#
US-PATENT-CLASS-250-307	c 25	N80-20334 *	#	US-PATENT-CLASS-250-385	c 35	N74-26949 *	#	US-PATENT-CLASS-250-531	c 33	N79-15245 *	#
US-PATENT-CLASS-250-308	c 25	N80-20334 *	#	US-PATENT-CLASS-250-385	c 35	N75-27331 *	#	US-PATENT-CLASS-250-540	c 33	N79-15245 *	#
US-PATENT-CLASS-250-310	c 35	N78-10429 *	#	US-PATENT-CLASS-250-385	c 35	N76-15433 *	#	US-PATENT-CLASS-250-541	c 33	N79-15245 *	#
US-PATENT-CLASS-250-310	c 33	N80-14332 *	#	US-PATENT-CLASS-250-385	c 35	N76-16393 *	#	US-PATENT-CLASS-250-551	c 74	N79-34011 *	#
US-PATENT-CLASS-250-311	c 33	N83-18996 *	#	US-PATENT-CLASS-250-385	c 35	N82-24471 *	#	US-PATENT-CLASS-250-563	c 38	N78-17396 *	#
US-PATENT-CLASS-250-320	c 74	N78-15880 *	#	US-PATENT-CLASS-250-385	c 35	N84-33765 *	#	US-PATENT-CLASS-250-566	c 74	N75-25706 *	#
US-PATENT-CLASS-250-322	c 35	N78-15461 *	#	US-PATENT-CLASS-250-386	c 35	N82-24471 *	#	US-PATENT-CLASS-250-571	c 36	N78-14380 *	#
US-PATENT-CLASS-250-330	c 44	N82-32841 *	#	US-PATENT-CLASS-250-388	c 33	N83-24763 *	#	US-PATENT-CLASS-250-572	c 38	N78-17395 *	#
US-PATENT-CLASS-250-332	c 35	N75-19613 *	#	US-PATENT-CLASS-250-389	c 35	N82-24471 *	#	US-PATENT-CLASS-250-572	c 38	N78-17396 *	#
US-PATENT-CLASS-250-332	c 31	N78-25256 *	#	US-PATENT-CLASS-250-394	c 14	N73-30392 *	#	US-PATENT-CLASS-250-573	c 74	N76-20958 *	#
US-PATENT-CLASS-250-332	c 35	N82-31659 *	#	US-PATENT-CLASS-250-394	c 19	N74-29410 *	#	US-PATENT-CLASS-250-573	c 34	N83-31993 *	#
US-PATENT-CLASS-250-332	c 74	N83-19597 *	#	US-PATENT-CLASS-250-396	c 35	N77-14408 *	#	US-PATENT-CLASS-250-574	c 45	N76-21421 *	#
US-PATENT-CLASS-250-332	c 74	N84-28590 *	#	US-PATENT-CLASS-250-398	c 35	N78-10429 *	#	US-PATENT-CLASS-250-574	c 36	N77-25501 *	#
US-PATENT-CLASS-250-335	c 34	N76-18374 *	#	US-PATENT-CLASS-250-400	c 25	N76-29379 *	#	US-PATENT-CLASS-250-576	c 35	N74-27860 *	#
US-PATENT-CLASS-250-336.1	c 72	N86-33127 *	#	US-PATENT-CLASS-250-400	c 25	N78-27226 *	#	US-PATENT-CLASS-250-578	c 36	N75-19652 *	#
US-PATENT-CLASS-250-336	c 14	N73-28488 *	#	US-PATENT-CLASS-250-41.9D	c 14	N72-29464 *	#	US-PATENT-CLASS-250-65F	c 15	N72-25452 *	#
US-PATENT-CLASS-250-336	c 35	N76-15433 *	#	US-PATENT-CLASS-250-41.9G	c 14	N73-12444 *	#	US-PATENT-CLASS-250-65R	c 14	N73-30389 *	#
US-PATENT-CLASS-250-336	c 33	N76-27473 *	#	US-PATENT-CLASS-250-41.9S	c 14	N73-12444 *	#	US-PATENT-CLASS-250-71.5R	c 14	N72-29464 *	#
US-PATENT-CLASS-250-336	c 35	N78-13400 *	#	US-PATENT-CLASS-250-41.9S	c 14	N71-28992 *	#	US-PATENT-CLASS-250-71.5	c 14	N72-17328 *	#
US-PATENT-CLASS-250-338	c 35	N74-18088 *	#	US-PATENT-CLASS-250-41.9	c 06	N71-13461 *	#	US-PATENT-CLASS-250-71R	c 06	N73-16106 *	#
US-PATENT-CLASS-250-338	c 35	N77-10493 *	#	US-PATENT-CLASS-250-41.9	c 24	N71-16095 *	#	US-PATENT-CLASS-250-71	c 14	N70-41678 *	#
US-PATENT-CLASS-250-338	c 47	N77-10753 *	#	US-PATENT-CLASS-250-41.9	c 14	N71-23041 *	#	US-PATENT-CLASS-250-83.3H	c 14	N72-21408 *	#
US-PATENT-CLASS-250-338	c 35	N80-26635 *	#	US-PATENT-CLASS-250-41.9	c 14	N71-28863 *	#	US-PATENT-CLASS-250-83.3H	c 14	N72-24477 *	#
US-PATENT-CLASS-250-338	c 35	N83-21311 *	#	US-PATENT-CLASS-250-41.9	c 14	N72-17328 *	#	US-PATENT-CLASS-250-83.3H	c 14	N73-12445 *	#
US-PATENT-CLASS-250-338	c 74	N84-28590 *	#	US-PATENT-CLASS-250-41.9	c 14	N73-32325 *	#	US-PATENT-CLASS-250-83.3H	c 14	N73-20475 *	#
US-PATENT-CLASS-250-338	c 72	N86-33127 *	#	US-PATENT-CLASS-250-416TV	c 35	N78-15461 *	#	US-PATENT-CLASS-250-83.3H	c 14	N73-25462 *	#
US-PATENT-CLASS-250-338	c 76	N87-13313 *	#	US-PATENT-CLASS-250-423P	c 36	N77-26477 *	#	US-PATENT-CLASS-250-83.3R	c 14	N73-12445 *	#
US-PATENT-CLASS-250-339	c 35	N77-10493 *	#	US-PATENT-CLASS-250-423P	c 25	N78-25148 *	#	US-PATENT-CLASS-250-83.3R	c 14	N73-20477 *	#
US-PATENT-CLASS-250-339	c 47	N77-10753 *	#	US-PATENT-CLASS-250-423P	c 72	N80-14877 *	#	US-PATENT-CLASS-250-83.3R	c 14	N73-32317 *	#
US-PATENT-CLASS-250-339	c 35	N84-33766 *	#	US-PATENT-CLASS-250-423	c 35	N76-15431 *	#	US-PATENT-CLASS-250-83.3UV	c 10	N72-17173 *	#
US-PATENT-CLASS-250-339	c 36	N85-21631 *	#	US-PATENT-CLASS-250-423	c 35	N76-16393 *	#	US-PATENT-CLASS-250-83.3UV	c 14	N72-25409 *	#
US-PATENT-CLASS-250-339	c 36	N85-29264 *	#	US-PATENT-CLASS-250-423	c 35	N83-27184 *	#	US-PATENT-CLASS-250-83.3UV	c 06	N73-16106 *	#
US-PATENT-CLASS-250-340	c 35	N76-29551 *	#	US-PATENT-CLASS-250-426	c 33	N85-21491 *	#	US-PATENT-CLASS-250-83.3	c 21	N70-33181 *	#
US-PATENT-CLASS-250-340	c 74	N83-19597 *	#	US-PATENT-CLASS-250-427	c 72	N80-27163 *	#	US-PATENT-CLASS-250-83.3	c 21	N70-34297 *	#
US-PATENT-CLASS-250-340	c 72	N86-33127 *	#	US-PATENT-CLASS-250-429	c 25	N76-29379 *	#	US-PATENT-CLASS-250-83.3	c 14	N71-15599 *	#
US-PATENT-CLASS-250-343	c 35	N74-11284 *	#	US-PATENT-CLASS-250-429	c 25	N78-27226 *	#	US-PATENT-CLASS-250-83.3	c 14	N71-18699 *	#
US-PATENT-CLASS-250-343	c 25	N74-26947 *	#	US-PATENT-CLASS-250-43.5FC	c 14	N72-11365 *	#	US-PATENT-CLASS-250-83.3	c 14	N71-21088 *	#
US-PATENT-CLASS-250-343	c 45	N75-27585 *	#	US-PATENT-CLASS-250-43.5R	c 14	N71-27090 *	#	US-PATENT-CLASS-250-83.3	c 09	N71-22985 *	#
US-PATENT-CLASS-250-343	c 74	N76-20958 *	#	US-PATENT-CLASS-250-43.5R	c 14	N72-21408 *	#	US-PATENT-CLASS-250-83.3	c 14	N71-25901 *	#
US-PATENT-CLASS-250-343	c 25	N76-22323 *	#	US-PATENT-CLASS-250-43.5R	c 06	N72-25146 *	#	US-PATENT-CLASS-250-83.3	c 14	N71-26475 *	#
US-PATENT-CLASS-250-343	c 35	N77-14411 *	#	US-PATENT-CLASS-250-43.5R	c 06	N72-31141 *	#	US-PATENT-CLASS-250-83.3	c 14	N71-27323 *	#
US-PATENT-CLASS-250-343	c 35	N78-13400 *	#	US-PATENT-CLASS-250-43.5	c 27	N71-16348 *	#	US-PATENT-CLASS-250-83.3	c 14	N72-17328 *	#
US-PATENT-CLASS-250-343	c 25	N81-14015 *	#	US-PATENT-CLASS-250-43.5	c 15	N71-24896 *	#	US-PATENT-CLASS-250-83.3	c 35	N75-27329 *	#
US-PATENT-CLASS-250-343	c 35	N84-34705 *	#	US-PATENT-CLASS-250-43.5	c 14	N71-25901 *	#	US-PATENT-CLASS-250-83.6R	c 14	N71-27090 *	#
US-PATENT-CLASS-250-343	c 36	N85-21631 *	#	US-PATENT-CLASS-250-432R	c 25	N76-22323 *	#	US-PATENT-CLASS-250-83.6R	c 14	N72-20381 *	#
US-PATENT-CLASS-250-344	c 25	N76-22323 *	#	US-PATENT-CLASS-250-432	c 45	N75-27585 *	#	US-PATENT-CLASS-250-83.6R	c 25	N72-33696 *	#
US-PATENT-CLASS-250-344	c 74	N78-17867 *	#	US-PATENT-CLASS-250-444	c 52	N77-14737 *	#	US-PATENT-CLASS-250-83.6R	c 74	N81-19898 *	#
US-PATENT-CLASS-250-345	c 45	N75-27585 *	#	US-PATENT-CLASS-250-457	c 35	N80-28686 *	#	US-PATENT-CLASS-250-83.6	c 10	N70-41991 *	#
US-PATENT-CLASS-250-347	c 35	N77-10493 *	#	US-PATENT-CLASS-250-460	c 37	N75-26372 *	#	US-PATENT-CLASS-250-83.6R	c 91	N74-13130 *	#
US-PATENT-CLASS-250-347	c 47	N77-10753 *	#	US-PATENT-CLASS-250-474.1	c 35	N83-21311 *	#	US-PATENT-CLASS-250-83R	c 14	N73-12445 *	#
US-PATENT-CLASS-250-347	c 74	N80-33210 *	#	US-PATENT-CLASS-250-475	c 35	N79-10389 *	#	US-PATENT-CLASS-250-83R	c 14	N73-20477 *	#
US-PATENT-CLASS-250-350	c 25	N81-25159 *	#	US-PATENT-CLASS-250-483.1	c 35	N84-33765 *	#	US-PATENT-CLASS-250-83	c 14	N69-27484 *	#
US-PATENT-CLASS-250-350	c 74	N83-19597 *	#	US-PATENT-CLASS-250-483	c 74	N79-20857 *	#	US-PATENT-CLASS-250-83	c 14	N69-39937 *	#
US-PATENT-CLASS-250-351	c 35	N75-30502 *	#	US-PATENT-CLASS-250-483	c 74	N81-24900 *	#	US-PATENT-CLASS-250-83	c 09	N71-18830 *	#
US-PATENT-CLASS-250-351	c 35	N78-13400 *	#	US-PATENT-CLASS-250-489	c 35	N76-15433 *	#	US-PATENT-CLASS-250-83	c 05	N71-19440 *	#
US-PATENT-CLASS-250-351	c 74	N83-19597 *	#	US-PATENT-CLASS-250-49.5B	c 24	N72-11595 *	#	US-PATENT-CLASS-250-83	c 14	N71-20430 *	#
US-PATENT-CLASS-250-351	c 35	N84-34705 *	#	US-PATENT-CLASS-250-49.5TE	c 24	N72-11595 *	#	US-PATENT-CLASS-250-83	c 14	N71-23401 *	#
US-PATENT-CLASS-250-352	c 31	N79-17029 *	#	US-PATENT-CLASS-250-49.5	c 14	N69-39982 *	#	US-PATENT-CLASS-250-83	c 09	N71-27232 *	#
US-PATENT-CLASS-250-352	c 34	N79-20336 *	#	US-PATENT-CLASS-250-49.5	c 14	N71-28863 *	#	US-PATENT-CLASS-250-84	c 14	N71-24809 *	#
US-PATENT-CLASS-250-352	c 35	N80-26635 *	#	US-PATENT-CLASS-250-49.5	c 14	N72-17328 *	#	US-PATENT-CLASS-251-118	c 15	N71-18580 *	#
US-PATENT-CLASS-250-352	c 74	N80-33210 *	#	US-PATENT-CLASS-250-491	c 35	N80-28686 *	#	US-PATENT-CLASS-251-11	c 15	N70-35407 *	#
US-PATENT-CLASS-250-353	c 35	N76-29551 *	#	US-PATENT-CLASS-250-492A	c 33	N80-14332 *	#	US-PATENT-CLASS-251-120	c 37	N74-21065 *	#
US-PATENT-CLASS-250-353	c 35	N80-26635 *	#	US-PATENT-CLASS-250-492B	c 25	N78-27226 *	#	US-PATENT-CLASS-251-121	c 15	N71-18580 *	#
US-PATENT-CLASS-250-353.1	c 74	N80-33210 *	#	US-PATENT-CLASS-250-492R	c 25	N76-29379 *	#	US-PATENT-CLASS-251-122	c 15	N73-13462 *	#
US-PATENT-CLASS-250-359	c 47	N84-28292 *	#	US-PATENT-CLASS-250-492R	c 28	N78-24365 *	#	US-PATENT-CLASS-251-122	c 37	N74-21065 *	#
US-PATENT-CLASS-250-359	c 37	N75-26372 *	#	US-PATENT-CLASS-250-492	c 35	N74-15091 *	#	US-PATENT-CLASS-251-127	c 12	N71-18615 *	#
US-PATENT-CLASS-250-360	c 35	N74-15091 *	#	US-PATENT-CLASS-250-492	c						

REPORT NUMBER INDEX

US-PATENT-CLASS-260-92.1

US-PATENT-CLASS-251-216	c 37	N81-17433 *	#	US-PATENT-CLASS-259/4R	c 34	N77-24423 *	#	US-PATENT-CLASS-260-396N	c 27	N74-27037 *	#
US-PATENT-CLASS-251-265	c 37	N85-20338 *	#	US-PATENT-CLASS-260.46.5E	c 27	N74-21156 *	#	US-PATENT-CLASS-260-404.5	c 18	N71-15688 *	#
US-PATENT-CLASS-251-267	c 37	N85-20338 *	#	US-PATENT-CLASS-260-DIG.15	c 27	N78-14164 *	#	US-PATENT-CLASS-260-42.17	c 27	N78-17215 *	#
US-PATENT-CLASS-251-284	c 37	N85-20338 *	#	US-PATENT-CLASS-260-DIG.24	c 27	N74-27037 *	#	US-PATENT-CLASS-260-42.43	c 24	N78-27180 *	#
US-PATENT-CLASS-251-297	c 37	N85-20338 *	#	US-PATENT-CLASS-260-DIG.24	c 27	N76-24405 *	#	US-PATENT-CLASS-260-429	c 06	N71-28808 *	#
US-PATENT-CLASS-251-31	c 15	N71-19485 *	#	US-PATENT-CLASS-260-DIG.29	c 27	N80-24438 *	#	US-PATENT-CLASS-260-42	c 27	N79-28307 *	#
US-PATENT-CLASS-251-325	c 37	N85-29284 *	#	US-PATENT-CLASS-260-17.2	c 24	N80-26388 *	#	US-PATENT-CLASS-260-448.2D	c 06	N72-25151 *	#
US-PATENT-CLASS-251-331	c 15	N72-31483 *	#	US-PATENT-CLASS-260-17.2	c 24	N81-13999 *	#	US-PATENT-CLASS-260-448.2D	c 06	N73-32030 *	#
US-PATENT-CLASS-251-333	c 15	N70-34859 *	#	US-PATENT-CLASS-260-17.4UC	c 23	N81-29160 *	#	US-PATENT-CLASS-260-448.2N	c 37	N74-21058 *	#
US-PATENT-CLASS-251-333	c 12	N71-18615 *	#	US-PATENT-CLASS-260-17A	c 27	N81-14076 *	#	US-PATENT-CLASS-260-448.2	c 06	N71-23230 *	#
US-PATENT-CLASS-251-333	c 15	N72-20442 *	#	US-PATENT-CLASS-260-18S	c 06	N72-25151 *	#	US-PATENT-CLASS-260-45.7R	c 24	N78-27180 *	#
US-PATENT-CLASS-251-333	c 15	N72-20442 *	#	US-PATENT-CLASS-260-2.1E	c 18	N72-22567 *	#	US-PATENT-CLASS-260-45.7R	c 27	N82-16238 *	#
US-PATENT-CLASS-251-333	c 37	N75-25185 *	#	US-PATENT-CLASS-260-2.1E	c 18	N81-14076 *	#	US-PATENT-CLASS-260-45.75W	c 24	N78-27180 *	#
US-PATENT-CLASS-251-339	c 37	N81-17433 *	#	US-PATENT-CLASS-260-2.1E	c 25	N81-19244 *	#	US-PATENT-CLASS-260-45.7	c 27	N76-24405 *	#
US-PATENT-CLASS-251-342	c 12	N71-18615 *	#	US-PATENT-CLASS-260-2.1	c 25	N81-17187 *	#	US-PATENT-CLASS-260-45.7	c 27	N76-24405 *	#
US-PATENT-CLASS-251-349	c 37	N85-29284 *	#	US-PATENT-CLASS-260-2.1	c 25	N81-17187 *	#	US-PATENT-CLASS-260-45.85N	c 24	N78-27180 *	#
US-PATENT-CLASS-251-353	c 37	N85-29284 *	#	US-PATENT-CLASS-260-2.2R	c 25	N81-17187 *	#	US-PATENT-CLASS-260-45.9R	c 24	N78-27180 *	#
US-PATENT-CLASS-251-358	c 15	N71-17648 *	#	US-PATENT-CLASS-260-2.2R	c 25	N81-19244 *	#	US-PATENT-CLASS-260-46.5E	c 06	N72-25151 *	#
US-PATENT-CLASS-251-360	c 15	N72-25451 *	#	US-PATENT-CLASS-260-2.5AK	c 27	N76-15310 *	#	US-PATENT-CLASS-260-46.5G	c 06	N72-25151 *	#
US-PATENT-CLASS-251-61.1	c 12	N71-18615 *	#	US-PATENT-CLASS-260-2.5AK	c 24	N78-24290 *	#	US-PATENT-CLASS-260-46.5P	c 06	N72-25151 *	#
US-PATENT-CLASS-251-61	c 15	N71-10778 *	#	US-PATENT-CLASS-260-2.5AM	c 27	N74-12812 *	#	US-PATENT-CLASS-260-46.5R	c 06	N73-26100 *	#
US-PATENT-CLASS-251-7	c 37	N79-28550 *	#	US-PATENT-CLASS-260-2.5AM	c 27	N77-31308 *	#	US-PATENT-CLASS-260-46.5	c 06	N71-11237 *	#
US-PATENT-CLASS-251-86	c 15	N72-31483 *	#	US-PATENT-CLASS-260-2.5AM	c 24	N78-24290 *	#	US-PATENT-CLASS-260-46.5	c 06	N71-11240 *	#
US-PATENT-CLASS-251-86	c 37	N80-23654 *	#	US-PATENT-CLASS-260-2.5AY	c 27	N77-31308 *	#	US-PATENT-CLASS-260-46.5R	c 27	N81-24256 *	#
US-PATENT-CLASS-252-12.2	c 24	N79-17916 *	#	US-PATENT-CLASS-260-2.5A	c 27	N77-31308 *	#	US-PATENT-CLASS-260-46.5R	c 27	N84-22744 *	#
US-PATENT-CLASS-252-12	c 15	N71-23810 *	#	US-PATENT-CLASS-260-2.5B	c 24	N78-24290 *	#	US-PATENT-CLASS-260-46.5	c 27	N84-22744 *	#
US-PATENT-CLASS-252-12	c 24	N76-22309 *	#	US-PATENT-CLASS-260-2.5B	c 24	N78-24290 *	#	US-PATENT-CLASS-260-47CP	c 06	N73-27980 *	#
US-PATENT-CLASS-252-182.1	c 33	N84-14422 *	#	US-PATENT-CLASS-260-2.5EP	c 24	N78-24290 *	#	US-PATENT-CLASS-260-47CP	c 23	N76-15268 *	#
US-PATENT-CLASS-252-26	c 15	N71-21403 *	#	US-PATENT-CLASS-260-2.5FP	c 06	N72-25147 *	#	US-PATENT-CLASS-260-47CP	c 27	N78-31232 *	#
US-PATENT-CLASS-252-26	c 15	N71-24046 *	#	US-PATENT-CLASS-260-2.5FP	c 27	N74-27037 *	#	US-PATENT-CLASS-260-47CP	c 27	N78-32261 *	#
US-PATENT-CLASS-252-2	c 25	N83-36118 *	#	US-PATENT-CLASS-260-2.5FP	c 24	N78-24290 *	#	US-PATENT-CLASS-260-47UP	c 06	N73-32029 *	#
US-PATENT-CLASS-252-300	c 14	N72-22443 *	#	US-PATENT-CLASS-260-2.5F	c 18	N73-13562 *	#	US-PATENT-CLASS-260-47	c 06	N71-28807 *	#
US-PATENT-CLASS-252-300	c 24	N76-24363 *	#	US-PATENT-CLASS-260-2.5F	c 27	N74-12814 *	#	US-PATENT-CLASS-260-47	c 06	N73-30098 *	#
US-PATENT-CLASS-252-301.1R	c 35	N79-10389 *	#	US-PATENT-CLASS-260-2.5N	c 24	N78-15180 *	#	US-PATENT-CLASS-260-485F	c 06	N78-32261 *	#
US-PATENT-CLASS-252-301.16	c 35	N79-10389 *	#	US-PATENT-CLASS-260-2.5N	c 27	N78-31232 *	#	US-PATENT-CLASS-260-49	c 27	N73-30098 *	#
US-PATENT-CLASS-252-301.2	c 18	N71-27170 *	#	US-PATENT-CLASS-260-2.5R	c 27	N74-27037 *	#	US-PATENT-CLASS-260-520	c 23	N75-30256 *	#
US-PATENT-CLASS-252-301.4	c 06	N73-30097 *	#	US-PATENT-CLASS-260-2.5R	c 24	N78-15180 *	#	US-PATENT-CLASS-260-535H	c 06	N72-27144 *	#
US-PATENT-CLASS-252-305	c 06	N73-30097 *	#	US-PATENT-CLASS-260-2.5	c 06	N71-11242 *	#	US-PATENT-CLASS-260-53	c 27	N79-28307 *	#
US-PATENT-CLASS-252-359A	c 37	N77-13418 *	#	US-PATENT-CLASS-260-2.5	c 06	N71-24739 *	#	US-PATENT-CLASS-260-544-D	c 27	N86-21675 *	#
US-PATENT-CLASS-252-361	c 71	N83-35781 *	#	US-PATENT-CLASS-260-2.5	c 06	N71-25929 *	#	US-PATENT-CLASS-260-544-P	c 27	N87-14515 *	#
US-PATENT-CLASS-252-364	c 28	N81-15119 *	#	US-PATENT-CLASS-260-2.5	c 18	N71-26155 *	#	US-PATENT-CLASS-260-544F	c 06	N72-20121 *	#
US-PATENT-CLASS-252-373	c 44	N76-29704 *	#	US-PATENT-CLASS-260-2.5	c 06	N72-25150 *	#	US-PATENT-CLASS-260-544P	c 27	N86-27450 *	#
US-PATENT-CLASS-252-373	c 44	N77-10636 *	#	US-PATENT-CLASS-260-2.5	c 06	N72-32256 *	#	US-PATENT-CLASS-260-551P	c 27	N78-32256 *	#
US-PATENT-CLASS-252-373	c 44	N77-10636 *	#	US-PATENT-CLASS-260-2P	c 27	N78-32256 *	#	US-PATENT-CLASS-260-566B	c 27	N76-32315 *	#
US-PATENT-CLASS-252-408	c 14	N73-14428 *	#	US-PATENT-CLASS-260-2R	c 37	N74-18126 *	#	US-PATENT-CLASS-260-567.6M	c 06	N73-32029 *	#
US-PATENT-CLASS-252-422	c 45	N82-11634 *	#	US-PATENT-CLASS-260-2R	c 27	N74-27037 *	#	US-PATENT-CLASS-260-571	c 23	N76-15268 *	#
US-PATENT-CLASS-252-431N	c 06	N73-32029 *	#	US-PATENT-CLASS-260-2R	c 27	N78-15276 *	#	US-PATENT-CLASS-260-571	c 23	N78-32256 *	#
US-PATENT-CLASS-252-431R	c 06	N73-32029 *	#	US-PATENT-CLASS-260-211.5	c 06	N72-25149 *	#	US-PATENT-CLASS-260-606-5P	c 27	N78-32256 *	#
US-PATENT-CLASS-252-472	c 25	N78-10225 *	#	US-PATENT-CLASS-260-240G	c 06	N76-32315 *	#	US-PATENT-CLASS-260-615	c 06	N71-27254 *	#
US-PATENT-CLASS-252-514	c 05	N72-25120 *	#	US-PATENT-CLASS-260-245.75	c 27	N86-19455 *	#	US-PATENT-CLASS-260-615	c 06	N73-30101 *	#
US-PATENT-CLASS-252-514	c 44	N79-31752 *	#	US-PATENT-CLASS-260-245.9	c 27	N86-19455 *	#	US-PATENT-CLASS-260-63N	c 27	N78-31232 *	#
US-PATENT-CLASS-252-514	c 25	N82-26396 *	#	US-PATENT-CLASS-260-28.5	c 27	N78-33228 *	#	US-PATENT-CLASS-260-63N	c 27	N78-32261 *	#
US-PATENT-CLASS-252-518	c 24	N79-14156 *	#	US-PATENT-CLASS-260-29.1R	c 24	N78-24290 *	#	US-PATENT-CLASS-260-63R	c 27	N78-32261 *	#
US-PATENT-CLASS-252-549	c 23	N75-14834 *	#	US-PATENT-CLASS-260-29.6RB	c 25	N81-19242 *	#	US-PATENT-CLASS-260-65	c 06	N73-27980 *	#
US-PATENT-CLASS-252-58	c 18	N70-39897 *	#	US-PATENT-CLASS-260-29.6S	c 27	N74-17283 *	#	US-PATENT-CLASS-260-65	c 27	N78-32261 *	#
US-PATENT-CLASS-252-5	c 25	N83-33977 *	#	US-PATENT-CLASS-260-29.6S	c 26	N75-27125 *	#	US-PATENT-CLASS-260-65	c 23	N82-29358 *	#
US-PATENT-CLASS-252-5	c 25	N83-36118 *	#	US-PATENT-CLASS-260-2	c 06	N71-11243 *	#	US-PATENT-CLASS-260-67	c 27	N78-17214 *	#
US-PATENT-CLASS-252-62.3E	c 44	N80-24741 *	#	US-PATENT-CLASS-260-2	c 06	N71-20905 *	#	US-PATENT-CLASS-260-67	c 27	N79-21191 *	#
US-PATENT-CLASS-252-62.3E	c 44	N81-19558 *	#	US-PATENT-CLASS-260-2	c 06	N71-27363 *	#	US-PATENT-CLASS-260-72.5	c 06	N71-11236 *	#
US-PATENT-CLASS-252-62.3GA	c 25	N75-26043 *	#	US-PATENT-CLASS-260-2	c 06	N73-30102 *	#	US-PATENT-CLASS-260-72.5	c 06	N71-24740 *	#
US-PATENT-CLASS-252-62.3	c 26	N71-23292 *	#	US-PATENT-CLASS-260-2	c 06	N79-21190 *	#	US-PATENT-CLASS-260-75NH	c 27	N78-17213 *	#
US-PATENT-CLASS-252-62.3	c 76	N76-25049 *	#	US-PATENT-CLASS-260-2	c 06	N73-27980 *	#	US-PATENT-CLASS-260-75NK	c 27	N78-17213 *	#
US-PATENT-CLASS-252-62	c 23	N74-27037 *	#	US-PATENT-CLASS-260-2	c 06	N78-17205 *	#	US-PATENT-CLASS-260-75NT	c 27	N78-17213 *	#
US-PATENT-CLASS-252-70	c 27	N75-14834 *	#	US-PATENT-CLASS-260-30.2	c 06	N73-27980 *	#	US-PATENT-CLASS-260-77.5AM	c 27	N78-17213 *	#
US-PATENT-CLASS-252-8.1	c 18	N73-26572 *	#	US-PATENT-CLASS-260-30.4N	c 27	N78-17205 *	#	US-PATENT-CLASS-260-77.5AN	c 27	N78-17213 *	#
US-PATENT-CLASS-252-8.1	c 27	N74-27037 *	#	US-PATENT-CLASS-260-30.8DS	c 06	N79-22300 *	#	US-PATENT-CLASS-260-77.5AP	c 06	N72-27144 *	#
US-PATENT-CLASS-252-8.1	c 24	N78-14096 *	#	US-PATENT-CLASS-260-30.7G	c 27	N78-17205 *	#	US-PATENT-CLASS-260-77.5AP	c 06	N73-33076 *	#
US-PATENT-CLASS-253-317	c 44	N77-22606 *	#	US-PATENT-CLASS-260-32.2R	c 27	N78-17205 *	#	US-PATENT-CLASS-260-77.5AP	c 27	N77-31308 *	#
US-PATENT-CLASS-253-39.15	c 15	N70-33226 *	#	US-PATENT-CLASS-260-32.6NT	c 27	N73-27980 *	#	US-PATENT-CLASS-260-77.5AP	c 27	N78-17213 *	#
US-PATENT-CLASS-253-39.15	c 15	N70-33264 *	#	US-PATENT-CLASS-260-32.6N	c 06	N76-15268 *	#	US-PATENT-CLASS-260-77.5AT	c 27	N78-17213 *	#
US-PATENT-CLASS-253-39.15	c 28	N70-33372 *	#	US-PATENT-CLASS-260-32.6N	c 23	N76-15268 *	#	US-PATENT-CLASS-260-77.5P	c 27	N78-17213 *	#
US-PATENT-CLASS-253-39.1	c 33	N71-29152 *	#	US-PATENT-CLASS-260-32.6N	c 27	N81-17260 *	#	US-PATENT-CLASS-260-77.5P	c 27	N73-30099 *	#
US-PATENT-CLASS-253-66	c 15	N70-36412 *	#	US-PATENT-CLASS-260-32.6S	c 27	N73-27980 *	#	US-PATENT-CLASS-260-77.5	c 06	N73-30100 *	#
US-PATENT-CLASS-253-66	c 28	N70-39895 *	#	US-PATENT-CLASS-260-33.4R	c 06	N78-17205 *	#	US-PATENT-CLASS-260-77.5	c 06	N73-30103 *	#
US-PATENT-CLASS-253-77	c 28	N71-28928 *	#	US-PATENT-CLASS-260-33.4R	c 27	N81-19296 *	#	US-PATENT-CLASS-260-78.41	c 27	N78-31232 *	#
US-PATENT-CLASS-253-77	c 28	N71-29154 *	#	US-PATENT-CLASS-260-33.6EP	c 24	N78-27180 *	#	US-PATENT-CLASS-260-78TF	c 06	N73-27980 *	#
US-PATENT-CLASS-253	c 25	N79-28253 *	#	US-PATENT-CLASS-260-33.6PQ	c 24	N78-27180 *	#	US-PATENT-CLASS-260-78TF	c 27	N74-23125 *	#
US-PATENT-CLASS-254-124	c 20	N76-22296 *	#	US-PATENT-CLASS-260-33.6R	c 06	N73-27980 *	#	US-PATENT-CLASS-260-78TF	c 23	N75-30256 *	#
US-PATENT-CLASS-254-131	c 60	N82-24839 *	#	US-PATENT-CLASS-260-33.6UB	c 27	N81-15104 *	#	US-PATENT-CLASS-260-78TF	c 23	N76-15268 *	#
US-PATENT-CLASS-254-150	c 15	N71-24599 *	#	US-PATENT-CLASS-260-33.8EP	c 24	N78-27180 *	#	US-PATENT-CLASS-260-78TF	c 27	N78-32261 *	#
US-PATENT-CLASS-254-156	c 15	N73-25512 *	#	US-PATENT-CLASS-260-33.8F	c 27	N76-24405 *	#	US-PATENT-CLASS-260-78UA	c 06	N73-27980 *	#
US-PATENT-CLASS-254-158	c 54	N77-21844 *	#	US-PATENT-CLASS-260-33.8F	c 25	N81-14016 *	#	US-PATENT-CLASS-260-78	c 06	N71-11235 *	#
US-PATENT-CLASS-254-173	c 15	N71-24599 *	#	US-PATENT-CLASS-260-33.8UA	c 24	N78-27180 *	#	US-PATENT-CLASS-260-78	c 06	N71-11238 *	#
US-PATENT-CLASS-254-186	c 15	N71-24599 *	#	US-PATENT-CLASS-260-340.9R	c 23	N82-16174 *	#	US-PATENT-CLASS-260-830S	c 15	N79-26100 *	#
US-PATENT-CLASS-254-190	c 15	N72-25453 *	#	US-PATENT-CLASS-260-346.3	c 23	N73-30256 *	#	US-PATENT-CLASS-260-85.5	c 06	N71-23500 *	#
US-PATENT-CLASS-254-29A	c 15	N73-30457 *	#	US-PATENT-CLASS-260-346.3	c 23	N76-15268 *	#	US-PATENT-CLASS-260-858	c 27		

US-PATENT-CLASS-260-92.1

REPORT NUMBER INDEX

US-PATENT-CLASS-260-92.1	c 27	N76-24405 *	US-PATENT-CLASS-264-3R	c 20	N77-17143 *	US-PATENT-CLASS-277-124	c 37	N84-11497 *
US-PATENT-CLASS-260-926	c 27	N80-10358 *	US-PATENT-CLASS-264-304	c 37	N76-31524 *	US-PATENT-CLASS-277-134	c 37	N75-21631 *
US-PATENT-CLASS-260-927-N	c 23	N86-19376 *	US-PATENT-CLASS-264-305	c 37	N76-31524 *	US-PATENT-CLASS-277-134	c 07	N78-25090 *
US-PATENT-CLASS-260-93.5A	c 06	N73-32029 *	US-PATENT-CLASS-264-308	c 37	N76-31524 *	US-PATENT-CLASS-277-135	c 37	N85-29284 *
US-PATENT-CLASS-260-93.5S	c 06	N73-32029 *	US-PATENT-CLASS-264-310	c 37	N76-31524 *	US-PATENT-CLASS-277-13	c 15	N71-26294 *
US-PATENT-CLASS-260-94.2M	c 06	N73-32029 *	US-PATENT-CLASS-264-311	c 24	N81-29163 *	US-PATENT-CLASS-277-153	c 37	N80-28711 *
US-PATENT-CLASS-260-94.2R	c 06	N73-32029 *	US-PATENT-CLASS-264-318	c 37	N76-31524 *	US-PATENT-CLASS-277-153	c 37	N81-26447 *
US-PATENT-CLASS-260-94.7R	c 06	N73-32029 *	US-PATENT-CLASS-264-331.12	c 27	N85-20124 *	US-PATENT-CLASS-277-164	c 37	N84-11497 *
US-PATENT-CLASS-260-94.8	c 27	N73-22710 *	US-PATENT-CLASS-264-331.19	c 27	N85-20124 *	US-PATENT-CLASS-277-177	c 37	N84-11497 *
US-PATENT-CLASS-260-959	c 27	N78-32256 *	US-PATENT-CLASS-264-331.46	c 27	N83-34041 *	US-PATENT-CLASS-277-181	c 37	N81-15363 *
US-PATENT-CLASS-260-96D	c 28	N81-15119 *	US-PATENT-CLASS-264-331	c 27	N76-16230 *	US-PATENT-CLASS-277-189	c 37	N82-16408 *
US-PATENT-CLASS-260-975	c 34	N77-24423 *	US-PATENT-CLASS-264-332	c 37	N81-25371 *	US-PATENT-CLASS-277-190	c 37	N84-11497 *
US-PATENT-CLASS-261-118	c 31	N80-18231 *	US-PATENT-CLASS-264-334	c 37	N76-31524 *	US-PATENT-CLASS-277-192	c 37	N79-22474 *
US-PATENT-CLASS-261-123	c 34	N77-24423 *	US-PATENT-CLASS-264-33	c 44	N79-24432 *	US-PATENT-CLASS-277-193	c 37	N80-28711 *
US-PATENT-CLASS-261-145	c 28	N72-22772 *	US-PATENT-CLASS-264-342R	c 37	N82-24491 *	US-PATENT-CLASS-277-193	c 37	N81-26447 *
US-PATENT-CLASS-261-28	c 07	N81-29129 *	US-PATENT-CLASS-264-345	c 71	N78-10837 *	US-PATENT-CLASS-277-1	c 37	N82-24490 *
US-PATENT-CLASS-261-78A	c 35	N86-29174 *	US-PATENT-CLASS-264-347	c 27	N86-29039 *	US-PATENT-CLASS-277-204	c 37	N82-24490 *
US-PATENT-CLASS-261-79A	c 54	N81-24724 *	US-PATENT-CLASS-264-34	c 44	N79-24432 *	US-PATENT-CLASS-277-224	c 37	N80-28711 *
US-PATENT-CLASS-263-48	c 15	N69-27483 *	US-PATENT-CLASS-264-35	c 44	N79-24432 *	US-PATENT-CLASS-277-229	c 37	N81-15363 *
US-PATENT-CLASS-264-DIG.36	c 18	N73-14584 *	US-PATENT-CLASS-264-36	c 15	N81-12489 *	US-PATENT-CLASS-277-25	c 15	N69-21362 *
US-PATENT-CLASS-264-DIG.44	c 15	N72-16329 *	US-PATENT-CLASS-264-36	c 32	N74-27612 *	US-PATENT-CLASS-277-25	c 15	N71-19570 *
US-PATENT-CLASS-264-DIG.65	c 27	N85-20124 *	US-PATENT-CLASS-264-3	c 28	N71-26779 *	US-PATENT-CLASS-277-25	c 15	N72-29488 *
US-PATENT-CLASS-264-102	c 15	N71-10672 *	US-PATENT-CLASS-264-40.4	c 35	N80-18357 *	US-PATENT-CLASS-277-25	c 37	N74-10474 *
US-PATENT-CLASS-264-102	c 15	N73-12489 *	US-PATENT-CLASS-264-40	c 15	N73-12489 *	US-PATENT-CLASS-277-25	c 07	N78-25090 *
US-PATENT-CLASS-264-102	c 31	N74-14133 *	US-PATENT-CLASS-264-41	c 25	N81-19244 *	US-PATENT-CLASS-277-27	c 15	N72-29488 *
US-PATENT-CLASS-264-102	c 31	N74-18124 *	US-PATENT-CLASS-264-41	c 51	N84-28361 *	US-PATENT-CLASS-277-27	c 37	N74-10474 *
US-PATENT-CLASS-264-102	c 37	N76-24575 *	US-PATENT-CLASS-264-453	c 25	N82-21268 *	US-PATENT-CLASS-277-27	c 37	N74-15125 *
US-PATENT-CLASS-264-102	c 15	N79-26100 *	US-PATENT-CLASS-264-510	c 44	N79-24432 *	US-PATENT-CLASS-277-27	c 37	N75-21631 *
US-PATENT-CLASS-264-104	c 05	N72-25120 *	US-PATENT-CLASS-264-516	c 44	N79-24432 *	US-PATENT-CLASS-277-27	c 37	N82-12442 *
US-PATENT-CLASS-264-104	c 23	N81-24257 *	US-PATENT-CLASS-264-53	c 25	N82-21268 *	US-PATENT-CLASS-277-2	c 37	N82-24490 *
US-PATENT-CLASS-264-104	c 27	N81-29160 *	US-PATENT-CLASS-264-59	c 24	N84-16262 *	US-PATENT-CLASS-277-40	c 37	N75-21631 *
US-PATENT-CLASS-264-104	c 25	N83-13188 *	US-PATENT-CLASS-264-5	c 31	N81-33319 *	US-PATENT-CLASS-277-40	c 37	N82-12442 *
US-PATENT-CLASS-264-105	c 25	N81-24257 *	US-PATENT-CLASS-264-5	c 27	N82-28442 *	US-PATENT-CLASS-277-41	c 37	N76-22541 *
US-PATENT-CLASS-264-111	c 17	N71-29137 *	US-PATENT-CLASS-264-5	c 31	N83-31896 *	US-PATENT-CLASS-277-4	c 37	N76-22541 *
US-PATENT-CLASS-264-112	c 27	N85-20124 *	US-PATENT-CLASS-264-5	c 26	N86-32551 *	US-PATENT-CLASS-277-4	c 37	N82-24490 *
US-PATENT-CLASS-264-118	c 24	N80-26388 *	US-PATENT-CLASS-264-60	c 27	N76-22376 *	US-PATENT-CLASS-277-53	c 37	N86-20788 *
US-PATENT-CLASS-264-118	c 24	N84-16262 *	US-PATENT-CLASS-264-60	c 27	N79-14213 *	US-PATENT-CLASS-277-59	c 37	N82-24490 *
US-PATENT-CLASS-264-119	c 24	N80-26388 *	US-PATENT-CLASS-264-60	c 24	N84-16262 *	US-PATENT-CLASS-277-62	c 37	N79-22475 *
US-PATENT-CLASS-264-120	c 27	N85-20124 *	US-PATENT-CLASS-264-63	c 27	N76-22376 *	US-PATENT-CLASS-277-72R	c 37	N82-24490 *
US-PATENT-CLASS-264-124	c 24	N80-26388 *	US-PATENT-CLASS-264-65	c 18	N73-14584 *	US-PATENT-CLASS-277-74	c 15	N72-29488 *
US-PATENT-CLASS-264-129	c 37	N76-31524 *	US-PATENT-CLASS-264-66	c 27	N76-22376 *	US-PATENT-CLASS-277-74	c 37	N76-22541 *
US-PATENT-CLASS-264-12	c 31	N83-35176 *	US-PATENT-CLASS-264-66	c 27	N76-22376 *	US-PATENT-CLASS-277-80	c 37	N85-29284 *
US-PATENT-CLASS-264-130	c 27	N78-32262 *	US-PATENT-CLASS-264-71	c 44	N79-24432 *	US-PATENT-CLASS-277-81R	c 37	N82-16408 *
US-PATENT-CLASS-264-135	c 37	N74-18126 *	US-PATENT-CLASS-264-92	c 24	N78-17150 *	US-PATENT-CLASS-277-91	c 37	N74-15125 *
US-PATENT-CLASS-264-136	c 37	N74-18126 *	US-PATENT-CLASS-264-92	c 15	N71-17803 *	US-PATENT-CLASS-277-93R	c 37	N76-22541 *
US-PATENT-CLASS-264-137	c 27	N79-33316 *	US-PATENT-CLASS-264-9	c 15	N72-24522 *	US-PATENT-CLASS-277-93R	c 37	N82-12442 *
US-PATENT-CLASS-264-137	c 27	N81-14078 *	US-PATENT-CLASS-264-9	c 31	N81-33319 *	US-PATENT-CLASS-277-96.1	c 37	N79-22475 *
US-PATENT-CLASS-264-137	c 27	N81-29229 *	US-PATENT-CLASS-264-9	c 31	N83-31896 *	US-PATENT-CLASS-277-96	c 37	N74-10474 *
US-PATENT-CLASS-264-137	c 27	N83-34041 *	US-PATENT-CLASS-266-119	c 26	N80-28492 *	US-PATENT-CLASS-277-96	c 37	N81-24442 *
US-PATENT-CLASS-264-137	c 27	N85-20124 *	US-PATENT-CLASS-266-19	c 15	N70-33382 *	US-PATENT-CLASS-279-1B	c 37	N75-33395 *
US-PATENT-CLASS-264-145	c 15	N79-26100 *	US-PATENT-CLASS-266-249	c 26	N80-28492 *	US-PATENT-CLASS-279-107	c 37	N75-33395 *
US-PATENT-CLASS-264-151	c 15	N79-26100 *	US-PATENT-CLASS-266-24	c 17	N72-28535 *	US-PATENT-CLASS-279-3	c 37	N78-17383 *
US-PATENT-CLASS-264-152	c 27	N85-20124 *	US-PATENT-CLASS-266-274	c 26	N80-28492 *	US-PATENT-CLASS-279-89	c 05	N75-33395 *
US-PATENT-CLASS-264-157	c 24	N78-17150 *	US-PATENT-CLASS-267-150	c 37	N85-34401 *	US-PATENT-CLASS-280-432	c 37	N77-14477 *
US-PATENT-CLASS-264-161	c 37	N76-31524 *	US-PATENT-CLASS-267-166	c 34	N74-18552 *	US-PATENT-CLASS-280-805	c 37	N82-18601 *
US-PATENT-CLASS-264-175	c 15	N79-26100 *	US-PATENT-CLASS-267-1	c 15	N69-27504 *	US-PATENT-CLASS-280-805	c 15	N72-25450 *
US-PATENT-CLASS-264-184	c 27	N78-32262 *	US-PATENT-CLASS-267-64	c 15	N70-38225 *	US-PATENT-CLASS-285-DIG.21	c 33	N73-26958 *
US-PATENT-CLASS-264-1	c 44	N79-24432 *	US-PATENT-CLASS-267-8R	c 15	N71-21530 *	US-PATENT-CLASS-285-DIG.21	c 37	N75-19686 *
US-PATENT-CLASS-264-204	c 27	N86-29039 *	US-PATENT-CLASS-267-152	c 18	N83-29303 *	US-PATENT-CLASS-285-159	c 37	N82-24494 *
US-PATENT-CLASS-264-211	c 27	N78-32262 *	US-PATENT-CLASS-269-153	c 44	N79-19447 *	US-PATENT-CLASS-285-168	c 54	N86-28619 *
US-PATENT-CLASS-264-212	c 27	N80-32516 *	US-PATENT-CLASS-269-156	c 37	N80-14398 *	US-PATENT-CLASS-285-168	c 54	N86-28620 *
US-PATENT-CLASS-264-212	c 27	N86-31727 *	US-PATENT-CLASS-269-21	c 37	N76-21554 *	US-PATENT-CLASS-285-184	c 54	N86-29507 *
US-PATENT-CLASS-264-216	c 25	N82-21268 *	US-PATENT-CLASS-269-21	c 37	N78-17383 *	US-PATENT-CLASS-285-18	c 15	N72-20445 *
US-PATENT-CLASS-264-216	c 27	N86-29039 *	US-PATENT-CLASS-269-21	c 37	N78-27423 *	US-PATENT-CLASS-285-192	c 20	N78-24275 *
US-PATENT-CLASS-264-217	c 25	N75-12087 *	US-PATENT-CLASS-269-21	c 76	N80-18951 *	US-PATENT-CLASS-285-226	c 37	N75-19686 *
US-PATENT-CLASS-264-219	c 37	N76-31524 *	US-PATENT-CLASS-269-224	c 37	N81-33482 *	US-PATENT-CLASS-285-226	c 37	N74-14460 *
US-PATENT-CLASS-264-220	c 27	N82-28440 *	US-PATENT-CLASS-269-242	c 37	N84-28083 *	US-PATENT-CLASS-285-227	c 54	N86-29507 *
US-PATENT-CLASS-264-221	c 15	N72-16329 *	US-PATENT-CLASS-269-242	c 18	N83-29303 *	US-PATENT-CLASS-285-235	c 54	N78-31735 *
US-PATENT-CLASS-264-225	c 15	N72-16329 *	US-PATENT-CLASS-269-244	c 18	N84-28083 *	US-PATENT-CLASS-285-235	c 54	N79-24651 *
US-PATENT-CLASS-264-227	c 15	N72-16329 *	US-PATENT-CLASS-269-244	c 37	N84-28083 *	US-PATENT-CLASS-285-24	c 15	N71-10782 *
US-PATENT-CLASS-264-229	c 24	N81-29163 *	US-PATENT-CLASS-269-252	c 37	N84-28083 *	US-PATENT-CLASS-285-265	c 37	N76-14460 *
US-PATENT-CLASS-264-22	c 14	N72-22439 *	US-PATENT-CLASS-269-266	c 37	N84-28083 *	US-PATENT-CLASS-285-27	c 15	N70-41808 *
US-PATENT-CLASS-264-22	c 25	N75-12087 *	US-PATENT-CLASS-269-285	c 37	N78-27423 *	US-PATENT-CLASS-285-314	c 15	N71-24903 *
US-PATENT-CLASS-264-22	c 27	N80-32516 *	US-PATENT-CLASS-269-287	c 37	N84-28083 *	US-PATENT-CLASS-285-316	c 15	N72-25450 *
US-PATENT-CLASS-264-22	c 27	N82-28440 *	US-PATENT-CLASS-269-3	c 37	N80-23655 *	US-PATENT-CLASS-285-316	c 33	N73-26958 *
US-PATENT-CLASS-264-230	c 37	N82-24491 *	US-PATENT-CLASS-269-48.1	c 39	N84-12491 *	US-PATENT-CLASS-285-317	c 15	N71-24903 *
US-PATENT-CLASS-264-231	c 24	N81-29163 *	US-PATENT-CLASS-272-DIG.1	c 15	N74-13131 *	US-PATENT-CLASS-285-326	c 37	N79-11402 *
US-PATENT-CLASS-264-236	c 27	N78-32262 *	US-PATENT-CLASS-272-DIG.5	c 05	N73-32014 *	US-PATENT-CLASS-285-331	c 15	N70-41629 *
US-PATENT-CLASS-264-236	c 15	N79-26100 *	US-PATENT-CLASS-272-DIG.5	c 05	N73-32014 *	US-PATENT-CLASS-285-335	c 15	N72-25450 *
US-PATENT-CLASS-264-236	c 27	N86-29039 *	US-PATENT-CLASS-272-1R	c 09	N73-32014 *	US-PATENT-CLASS-285-359	c 15	N72-20445 *
US-PATENT-CLASS-264-236	c 27	N86-31727 *	US-PATENT-CLASS-272-57A	c 09	N75-15662 *	US-PATENT-CLASS-285-37	c 37	N82-24490 *
US-PATENT-CLASS-264-23	c 71	N78-10837 *	US-PATENT-CLASS-272-70C	c 05	N75-15662 *	US-PATENT-CLASS-285-38	c 15	N71-24903 *
US-PATENT-CLASS-264-23	c 31	N81-15154 *	US-PATENT-CLASS-272-73	c 14	N71-28619 *	US-PATENT-CLASS-285-3	c 15	N69-27490 *
US-PATENT-CLASS-264-24	c 31	N81-33319 *	US-PATENT-CLASS-272-73	c 05	N73-27377 *	US-PATENT-CLASS-285-3	c 15	N72-25450 *
US-PATENT-CLASS-264-24	c 31	N83-35176 *	US-PATENT-CLASS-272-73	c 05	N73-27941 *	US-PATENT-CLASS-285-401	c 37	N82-24494 *
US-PATENT-CLASS-264-257	c 37	N74-18126 *	US-PATENT-CLASS-272-79C	c 37	N74-18127 *	US-PATENT-CLASS-285-406	c 15	N71-24903 *
US-PATENT-CLASS-264-258	c 24	N81-29163 *	US-PATENT-CLASS-272-80	c 05	N73-32014 *	US-PATENT-CLASS-285-410	c 05	N72-11085 *
US-PATENT-CLASS-264-258	c 27	N83-34041 *	US-PATENT-CLASS-273-1E	c 05	N74-18127 *	US-PATENT-CLASS-285-45	c 15	N71-28937 *
US-PATENT-CLASS-264-258	c 27	N85-20124 *	US-PATENT-CLASS-273-240	c 05	N73-13114 *	US-PATENT-CLASS-285-89	c 37	N82-24494 *
US-PATENT-CLASS-264-259	c 24	N81-29163 *	US-PATENT-CLASS-274.4R	c 31	N83-34073 *	US-PATENT-CLASS-287-119	c 15	N70-41829 *
US-PATENT-CLASS-264-267	c 37	N76-24575 *	US-PATENT-CLASS-277-105	c 09	N72-11224 *	US-PATENT-CLASS-287-189.365	c 15	N71-26312 *
US-PATENT-CLASS-264-27	c 26	N71-17818 *	US-PATENT-CLASS-277-116.6	c 37	N82-24490 *	US-PATENT-CLASS-287-189.36	c 15	N71-10799 *
US-PATENT-CLASS-264-28	c 15	N73-12489 *			N84-11497 *	US-PATENT-CLASS-287-54A	c 11	N72-25287 *
US-PATENT-CLASS-264-294	c 31	N74-13177 *						
US-PATENT-CLASS-264-3R	c 28	N77-10213 *						

REPORT NUMBER INDEX

US-PATENT-CLASS-3-1.1

US-PATENT-CLASS-287-85R	c 15	N73-12488 *	US-PATENT-CLASS-29-472.9	c 26	N71-16037 *	US-PATENT-CLASS-29-588	c 14	N72-31446 *
US-PATENT-CLASS-287-92	c 31	N73-32749 *	US-PATENT-CLASS-29-472.9	c 15	N72-22492 *	US-PATENT-CLASS-29-588	c 44	N74-14784 *
US-PATENT-CLASS-29-DIG.1	c 44	N81-14389 *	US-PATENT-CLASS-29-473.1	c 15	N72-22487 *	US-PATENT-CLASS-29-588	c 44	N80-14474 *
US-PATENT-CLASS-29-DIG.24	c 24	N75-33181 *	US-PATENT-CLASS-29-473.1	c 15	N72-22492 *	US-PATENT-CLASS-29-589	c 26	N72-17820 *
US-PATENT-CLASS-29-DIG.35	c 37	N77-23482 *	US-PATENT-CLASS-29-473.1	c 37	N75-15992 *	US-PATENT-CLASS-29-589	c 09	N72-25261 *
US-PATENT-CLASS-29-DIG.39	c 24	N75-33181 *	US-PATENT-CLASS-29-475	c 37	N75-12326 *	US-PATENT-CLASS-29-589	c 15	N73-14469 *
US-PATENT-CLASS-29-125	c 37	N79-10422 *	US-PATENT-CLASS-29-482	c 05	N72-25121 *	US-PATENT-CLASS-29-589	c 44	N79-31752 *
US-PATENT-CLASS-29-148.4A	c 37	N74-15128 *	US-PATENT-CLASS-29-482	c 37	N74-18128 *	US-PATENT-CLASS-29-590	c 09	N72-22199 *
US-PATENT-CLASS-29-148.4B	c 37	N74-15128 *	US-PATENT-CLASS-29-487	c 15	N73-33383 *	US-PATENT-CLASS-29-591	c 15	N73-14469 *
US-PATENT-CLASS-29-148.4	c 15	N71-16052 *	US-PATENT-CLASS-29-487	c 37	N74-21055 *	US-PATENT-CLASS-29-591	c 44	N79-18444 *
US-PATENT-CLASS-29-148.4	c 15	N71-17688 *	US-PATENT-CLASS-29-488	c 15	N70-33311 *	US-PATENT-CLASS-29-591	c 35	N87-14671 *
US-PATENT-CLASS-29-155.55	c 15	N71-15986 *	US-PATENT-CLASS-29-488	c 37	N74-18128 *	US-PATENT-CLASS-29-592	c 35	N75-13213 *
US-PATENT-CLASS-29-156.8R	c 37	N78-24544 *	US-PATENT-CLASS-29-492	c 15	N71-20443 *	US-PATENT-CLASS-29-597	c 33	N77-26385 *
US-PATENT-CLASS-29-157.3H	c 74	N83-19596 *	US-PATENT-CLASS-29-492	c 09	N72-25261 *	US-PATENT-CLASS-29-599	c 15	N72-25447 *
US-PATENT-CLASS-29-157.3R	c 34	N74-18552 *	US-PATENT-CLASS-29-494	c 15	N73-33383 *	US-PATENT-CLASS-29-599	c 26	N73-26752 *
US-PATENT-CLASS-29-157.3	c 28	N70-41818 *	US-PATENT-CLASS-29-494	c 37	N74-21055 *	US-PATENT-CLASS-29-599	c 26	N73-32571 *
US-PATENT-CLASS-29-157	c 28	N71-15658 *	US-PATENT-CLASS-29-495	c 15	N71-20178 *	US-PATENT-CLASS-29-603	c 08	N71-27210 *
US-PATENT-CLASS-29-182.1	c 18	N71-23710 *	US-PATENT-CLASS-29-497.5	c 15	N73-28515 *	US-PATENT-CLASS-29-604	c 24	N75-13032 *
US-PATENT-CLASS-29-182.2	c 17	N71-23046 *	US-PATENT-CLASS-29-497.5	c 15	N73-33383 *	US-PATENT-CLASS-29-610SG	c 35	N85-21598 *
US-PATENT-CLASS-29-182.2	c 37	N75-26371 *	US-PATENT-CLASS-29-497.5	c 15	N74-11300 *	US-PATENT-CLASS-29-610	c 24	N75-30260 *
US-PATENT-CLASS-29-182.5	c 17	N72-28536 *	US-PATENT-CLASS-29-497.5	c 37	N75-13261 *	US-PATENT-CLASS-29-613	c 24	N75-30260 *
US-PATENT-CLASS-29-182.5	c 37	N75-26371 *	US-PATENT-CLASS-29-497	c 09	N72-25261 *	US-PATENT-CLASS-29-613	c 35	N82-24470 *
US-PATENT-CLASS-29-182.5	c 27	N76-15311 *	US-PATENT-CLASS-29-497	c 15	N73-32358 *	US-PATENT-CLASS-29-620	c 35	N82-31659 *
US-PATENT-CLASS-29-182.5	c 27	N77-13217 *	US-PATENT-CLASS-29-497	c 37	N74-18128 *	US-PATENT-CLASS-29-622	c 33	N77-26385 *
US-PATENT-CLASS-29-182	c 37	N74-13179 *	US-PATENT-CLASS-29-498	c 09	N72-25261 *	US-PATENT-CLASS-29-623.5	c 44	N83-32176 *
US-PATENT-CLASS-29-182	c 34	N76-27515 *	US-PATENT-CLASS-29-498	c 15	N73-33383 *	US-PATENT-CLASS-29-623.5	c 26	N84-22734 *
US-PATENT-CLASS-29-183.5	c 17	N70-38490 *	US-PATENT-CLASS-29-498	c 15	N74-11301 *	US-PATENT-CLASS-29-623.5	c 44	N84-28205 *
US-PATENT-CLASS-29-193	c 34	N76-27515 *	US-PATENT-CLASS-29-498	c 37	N74-11301 *	US-PATENT-CLASS-29-624	c 15	N72-20444 *
US-PATENT-CLASS-29-194	c 26	N75-19408 *	US-PATENT-CLASS-29-498	c 37	N74-18128 *	US-PATENT-CLASS-29-624	c 14	N73-13417 *
US-PATENT-CLASS-29-194	c 44	N76-14595 *	US-PATENT-CLASS-29-502	c 37	N74-21055 *	US-PATENT-CLASS-29-627	c 44	N80-14474 *
US-PATENT-CLASS-29-195A	c 27	N76-16229 *	US-PATENT-CLASS-29-503	c 09	N72-25261 *	US-PATENT-CLASS-29-628	c 15	N72-22491 *
US-PATENT-CLASS-29-195Y	c 14	N73-32320 *	US-PATENT-CLASS-29-503	c 37	N74-11301 *	US-PATENT-CLASS-29-628	c 09	N72-25261 *
US-PATENT-CLASS-29-195	c 44	N76-14595 *	US-PATENT-CLASS-29-504	c 37	N74-21055 *	US-PATENT-CLASS-29-628	c 09	N73-28083 *
US-PATENT-CLASS-29-196.2	c 17	N73-32414 *	US-PATENT-CLASS-29-504	c 37	N75-13261 *	US-PATENT-CLASS-29-628	c 33	N77-26385 *
US-PATENT-CLASS-29-196.2	c 26	N75-19408 *	US-PATENT-CLASS-29-517	c 15	N71-17650 *	US-PATENT-CLASS-29-628	c 44	N78-25528 *
US-PATENT-CLASS-29-196.6	c 17	N73-32414 *	US-PATENT-CLASS-29-521	c 26	N83-10170 *	US-PATENT-CLASS-29-629	c 09	N73-28083 *
US-PATENT-CLASS-29-196.6	c 37	N75-13261 *	US-PATENT-CLASS-29-526	c 37	N76-19437 *	US-PATENT-CLASS-29-630A	c 05	N72-25121 *
US-PATENT-CLASS-29-196.6	c 26	N75-19408 *	US-PATENT-CLASS-29-526	c 39	N76-31562 *	US-PATENT-CLASS-29-630A	c 09	N73-28083 *
US-PATENT-CLASS-29-197	c 17	N73-32414 *	US-PATENT-CLASS-29-527.2	c 15	N72-20444 *	US-PATENT-CLASS-29-630E	c 33	N77-26385 *
US-PATENT-CLASS-29-197	c 37	N75-13261 *	US-PATENT-CLASS-29-527.2	c 15	N73-32360 *	US-PATENT-CLASS-29-630	c 09	N73-28083 *
US-PATENT-CLASS-29-197	c 26	N75-19408 *	US-PATENT-CLASS-29-527.2	c 37	N74-11301 *	US-PATENT-CLASS-29-739	c 44	N79-24431 *
US-PATENT-CLASS-29-197	c 44	N76-14595 *	US-PATENT-CLASS-29-527.2	c 24	N75-33181 *	US-PATENT-CLASS-29-764	c 60	N82-24839 *
US-PATENT-CLASS-29-198	c 17	N72-32388 *	US-PATENT-CLASS-29-527.2	c 24	N77-19171 *	US-PATENT-CLASS-29-809	c 44	N79-24431 *
US-PATENT-CLASS-29-198	c 09	N72-25259 *	US-PATENT-CLASS-29-57.4	c 44	N79-24431 *	US-PATENT-CLASS-29-81C	c 75	N78-27913 *
US-PATENT-CLASS-29-203H	c 37	N74-32918 *	US-PATENT-CLASS-29-570	c 26	N72-28761 *	US-PATENT-CLASS-29-81D	c 37	N76-18454 *
US-PATENT-CLASS-29-203MW	c 33	N74-26977 *	US-PATENT-CLASS-29-571	c 35	N75-13213 *	US-PATENT-CLASS-29-825	c 44	N84-28205 *
US-PATENT-CLASS-29-203V	c 15	N73-14468 *	US-PATENT-CLASS-29-571	c 33	N78-27326 *	US-PATENT-CLASS-29-832	c 44	N81-14389 *
US-PATENT-CLASS-29-23.5	c 37	N78-24544 *	US-PATENT-CLASS-29-571	c 33	N81-26360 *	US-PATENT-CLASS-290-1R	c 44	N85-21769 *
US-PATENT-CLASS-29-234	c 15	N70-36901 *	US-PATENT-CLASS-29-572	c 09	N71-23027 *	US-PATENT-CLASS-290-4R	c 44	N85-21769 *
US-PATENT-CLASS-29-244	c 37	N78-24544 *	US-PATENT-CLASS-29-572	c 03	N71-24681 *	US-PATENT-CLASS-290-40	c 03	N71-11057 *
US-PATENT-CLASS-29-25.14	c 05	N72-25121 *	US-PATENT-CLASS-29-572	c 03	N72-22041 *	US-PATENT-CLASS-290-52	c 37	N77-32500 *
US-PATENT-CLASS-29-25.14	c 35	N82-24471 *	US-PATENT-CLASS-29-572	c 44	N74-14784 *	US-PATENT-CLASS-290-52	c 37	N77-32501 *
US-PATENT-CLASS-29-25.18	c 09	N71-26678 *	US-PATENT-CLASS-29-572	c 44	N76-14600 *	US-PATENT-CLASS-290-53	c 44	N80-29834 *
US-PATENT-CLASS-29-25.18	c 05	N72-25121 *	US-PATENT-CLASS-29-572	c 44	N76-28635 *	US-PATENT-CLASS-290-55	c 44	N84-23018 *
US-PATENT-CLASS-29-25.18	c 20	N75-18310 *	US-PATENT-CLASS-29-572	c 44	N77-10635 *	US-PATENT-CLASS-292-DIG.14	c 37	N75-19685 *
US-PATENT-CLASS-29-25.18	c 20	N76-21276 *	US-PATENT-CLASS-29-572	c 44	N78-24609 *	US-PATENT-CLASS-292-108	c 37	N75-19685 *
US-PATENT-CLASS-29-25.35	c 35	N80-20559 *	US-PATENT-CLASS-29-572	c 44	N78-25527 *	US-PATENT-CLASS-292-110	c 37	N77-32499 *
US-PATENT-CLASS-29-25.42	c 26	N72-28762 *	US-PATENT-CLASS-29-572	c 44	N78-25528 *	US-PATENT-CLASS-292-122	c 37	N75-19685 *
US-PATENT-CLASS-29-252	c 37	N78-24544 *	US-PATENT-CLASS-29-572	c 44	N78-25529 *	US-PATENT-CLASS-292-252	c 37	N85-21649 *
US-PATENT-CLASS-29-26A	c 37	N75-33395 *	US-PATENT-CLASS-29-572	c 44	N79-11468 *	US-PATENT-CLASS-294-1R	c 35	N76-16392 *
US-PATENT-CLASS-29-267	c 60	N82-24839 *	US-PATENT-CLASS-29-572	c 44	N79-11472 *	US-PATENT-CLASS-294-106	c 37	N81-14320 *
US-PATENT-CLASS-29-268	c 37	N74-32918 *	US-PATENT-CLASS-29-572	c 44	N79-17314 *	US-PATENT-CLASS-294-113	c 37	N80-14398 *
US-PATENT-CLASS-29-271	c 15	N70-41371 *	US-PATENT-CLASS-29-572	c 44	N79-18444 *	US-PATENT-CLASS-294-116	c 37	N75-33395 *
US-PATENT-CLASS-29-278R	c 15	N71-29133 *	US-PATENT-CLASS-29-572	c 44	N79-24431 *	US-PATENT-CLASS-294-116	c 37	N82-32731 *
US-PATENT-CLASS-29-400	c 05	N71-12345 *	US-PATENT-CLASS-29-572	c 44	N79-26475 *	US-PATENT-CLASS-294-15	c 15	N71-29133 *
US-PATENT-CLASS-29-402.16	c 37	N86-32736 *	US-PATENT-CLASS-29-572	c 44	N79-31752 *	US-PATENT-CLASS-294-19R	c 35	N76-16392 *
US-PATENT-CLASS-29-412	c 15	N72-20444 *	US-PATENT-CLASS-29-572	c 44	N80-14474 *	US-PATENT-CLASS-294-83	c 15	N71-24897 *
US-PATENT-CLASS-29-419	c 24	N75-28135 *	US-PATENT-CLASS-29-572	c 44	N82-28780 *	US-PATENT-CLASS-294-86.33	c 37	N75-33395 *
US-PATENT-CLASS-29-420.5	c 26	N74-10521 *	US-PATENT-CLASS-29-572	c 44	N82-29709 *	US-PATENT-CLASS-294-86R	c 37	N80-14398 *
US-PATENT-CLASS-29-420.5	c 37	N74-13179 *	US-PATENT-CLASS-29-572	c 44	N83-13579 *	US-PATENT-CLASS-294-86R	c 37	N81-27519 *
US-PATENT-CLASS-29-420.5	c 37	N75-26371 *	US-PATENT-CLASS-29-572	c 76	N86-20150 *	US-PATENT-CLASS-294-86R	c 18	N83-29303 *
US-PATENT-CLASS-29-420	c 24	N75-13032 *	US-PATENT-CLASS-29-572	c 44	N86-32875 *	US-PATENT-CLASS-294-93	c 54	N81-26718 *
US-PATENT-CLASS-29-421E	c 37	N79-13364 *	US-PATENT-CLASS-29-573	c 14	N73-13417 *	US-PATENT-CLASS-296-1S	c 85	N82-33288 *
US-PATENT-CLASS-29-421	c 15	N71-29018 *	US-PATENT-CLASS-29-575	c 76	N87-15882 *	US-PATENT-CLASS-296-100	c 37	N87-17036 *
US-PATENT-CLASS-29-421	c 14	N72-22439 *	US-PATENT-CLASS-29-576-E	c 76	N87-15882 *	US-PATENT-CLASS-296-24C	c 85	N82-33288 *
US-PATENT-CLASS-29-421	c 37	N76-14461 *	US-PATENT-CLASS-29-576-W	c 76	N87-15882 *	US-PATENT-CLASS-296-91	c 85	N82-33288 *
US-PATENT-CLASS-29-423	c 15	N70-36409 *	US-PATENT-CLASS-29-576E	c 76	N87-15882 *	US-PATENT-CLASS-297-DIG.5	c 03	N84-33394 *
US-PATENT-CLASS-29-423	c 31	N74-21059 *	US-PATENT-CLASS-29-576E	c 44	N86-32875 *	US-PATENT-CLASS-297-216	c 05	N70-35152 *
US-PATENT-CLASS-29-423	c 52	N84-28389 *	US-PATENT-CLASS-29-576E	c 76	N85-30922 *	US-PATENT-CLASS-297-232	c 05	N72-11085 *
US-PATENT-CLASS-29-426	c 15	N72-20444 *	US-PATENT-CLASS-29-576J	c 35	N82-31659 *	US-PATENT-CLASS-297-385	c 05	N71-12341 *
US-PATENT-CLASS-29-428	c 15	N71-17686 *	US-PATENT-CLASS-29-576J	c 35	N85-30922 *	US-PATENT-CLASS-297-386	c 05	N75-25915 *
US-PATENT-CLASS-29-432	c 37	N76-19437 *	US-PATENT-CLASS-29-576S	c 35	N82-31659 *	US-PATENT-CLASS-297-388	c 05	N75-25915 *
US-PATENT-CLASS-29-433	c 37	N76-19437 *	US-PATENT-CLASS-29-576W	c 76	N85-30922 *	US-PATENT-CLASS-297-389	c 05	N75-25915 *
US-PATENT-CLASS-29-446	c 37	N83-36482 *	US-PATENT-CLASS-29-577	c 44	N79-26475 *	US-PATENT-CLASS-297-68	c 05	N71-12343 *
US-PATENT-CLASS-29-447	c 37	N77-23482 *	US-PATENT-CLASS-29-578	c 26	N72-17820 *	US-PATENT-CLASS-297-68	c 05	N72-11085 *
US-PATENT-CLASS-29-451	c 52	N84-28389 *	US-PATENT-CLASS-29-578	c 33	N78-27326 *	US-PATENT-CLASS-299-13	c 43	N81-26509 *
US-PATENT-CLASS-29-452	c 15	N73-30457 *	US-PATENT-CLASS-29-578	c 44	N79-18444 *	US-PATENT-CLASS-299-17	c 43	N81-26509 *
US-PATENT-CLASS-29-458	c 26	N83-10170 *	US-PATENT-CLASS-29-578	c 44	N79-26475 *	US-PATENT-CLASS-299-1	c 43	N79-26439 *
US-PATENT-CLASS-29-460	c 37	N74-11301 *	US-PATENT-CLASS-29-578	c 33	N81-26360 *	US-PATENT-CLASS-299-1	c 35	N84-33768 *
US-PATENT-CLASS-29-460	c 37	N75-13261 *	US-PATENT-CLASS-29-578	c 76	N85-30922 *	US-PATENT-CLASS-299-20	c 43	N81-26509 *
US-PATENT-CLASS-29-463	c 07	N78-33101 *	US-PATENT-CLASS-29-580	c 76	N87-15882 *	US-PATENT-CLASS-299-67	c 46	N74-23068 *
US-PATENT-CLASS-29-467	c 39	N76-31562 *	US-PATENT-CLASS-29-580	c 09	N73-27150 *	US-PATENT-CLASS-299-86	c 46	N74-23068 *
US-PATENT-CLASS-29-470.1	c 37	N74-21057 *	US-PATENT-CLASS-29-580	c 44	N79-26475 *	US-PATENT-CLASS-3-1.1	c 05	N73-32013 *
US-PATENT-CLASS-29-470.1	c 37	N75-12326 *	US-PATENT-CLASS-29-580	c 33	N81-26360 *	US-PATENT-CLASS-3-1.1	c 52	N77-14738 *
US-PATENT-CLASS-29-472.7	c 37	N75-15992 *	US-PATENT-CLASS-29-580	c 35	N87-14671 *	US-PATENT-CLASS-3-1.1	c 54	N79-24652 *
US-PATENT-CLASS-29-472.9	c 15	N69-39786 *	US-PATENT-CLASS-29-588	c 14	N71-27334 *			

US-PATENT-CLASS-3-1.1	c 74	N84-11921 *	#	US-PATENT-CLASS-307-233	c 10	N73-26229 *	#	US-PATENT-CLASS-307-29	c 03	N73-31988 *	#
US-PATENT-CLASS-3-1.2	c 52	N77-14735 *	#	US-PATENT-CLASS-307-233	c 33	N77-13315 *	#	US-PATENT-CLASS-307-300	c 10	N71-27126 *	#
US-PATENT-CLASS-3-1.2	c 52	N78-10686 *	#	US-PATENT-CLASS-307-234	c 10	N71-23315 *	#	US-PATENT-CLASS-307-303	c 08	N72-21198 *	#
US-PATENT-CLASS-3-1.9	c 27	N78-17215 *	#	US-PATENT-CLASS-307-234	c 09	N71-27016 *	#	US-PATENT-CLASS-307-304	c 09	N72-22201 *	#
US-PATENT-CLASS-3-1.9	c 52	N79-26772 *	#	US-PATENT-CLASS-307-234	c 08	N71-29138 *	#	US-PATENT-CLASS-307-304	c 09	N73-20232 *	#
US-PATENT-CLASS-3-12.5	c 54	N78-17676 *	#	US-PATENT-CLASS-307-235R	c 33	N75-18479 *	#	US-PATENT-CLASS-307-304	c 33	N74-34638 *	#
US-PATENT-CLASS-3-12.5	c 54	N79-24652 *	#	US-PATENT-CLASS-307-235	c 10	N71-19471 *	#	US-PATENT-CLASS-307-305	c 09	N72-23171 *	#
US-PATENT-CLASS-3-12	c 05	N73-32013 *	#	US-PATENT-CLASS-307-235	c 09	N71-23545 *	#	US-PATENT-CLASS-307-306	c 33	N78-13320 *	#
US-PATENT-CLASS-3-12	c 52	N79-26772 *	#	US-PATENT-CLASS-307-235	c 10	N71-24862 *	#	US-PATENT-CLASS-307-306	c 33	N81-17348 *	#
US-PATENT-CLASS-3-14	c 52	N77-14735 *	#	US-PATENT-CLASS-307-237	c 09	N72-22200 *	#	US-PATENT-CLASS-307-308	c 14	N73-28488 *	#
US-PATENT-CLASS-3-15	c 52	N78-10686 *	#	US-PATENT-CLASS-307-237	c 32	N74-19788 *	#	US-PATENT-CLASS-307-309	c 35	N75-13213 *	#
US-PATENT-CLASS-3-1	c 52	N77-25772 *	#	US-PATENT-CLASS-307-238	c 33	N75-31331 *	#	US-PATENT-CLASS-307-310	c 09	N73-14214 *	#
US-PATENT-CLASS-3-21	c 54	N77-30749 *	#	US-PATENT-CLASS-307-238	c 33	N77-21314 *	#	US-PATENT-CLASS-307-311	c 14	N72-18411 *	#
US-PATENT-CLASS-3-29	c 52	N78-10686 *	#	US-PATENT-CLASS-307-238	c 33	N72-22201 *	#	US-PATENT-CLASS-307-311	c 08	N72-21198 *	#
US-PATENT-CLASS-3-2	c 05	N73-32013 *	#	US-PATENT-CLASS-307-241	c 10	N73-13235 *	#	US-PATENT-CLASS-307-311	c 09	N73-14214 *	#
US-PATENT-CLASS-3-2	c 54	N77-30749 *	#	US-PATENT-CLASS-307-242	c 09	N71-12516 *	#	US-PATENT-CLASS-307-313	c 10	N72-22211 *	#
US-PATENT-CLASS-3-2	c 52	N79-26772 *	#	US-PATENT-CLASS-307-243	c 08	N72-22162 *	#	US-PATENT-CLASS-307-317	c 09	N72-22200 *	#
US-PATENT-CLASS-3-6	c 05	N73-32013 *	#	US-PATENT-CLASS-307-243	c 33	N74-22814 *	#	US-PATENT-CLASS-307-317	c 09	N72-22201 *	#
US-PATENT-CLASS-30-102	c 37	N82-26672 *	#	US-PATENT-CLASS-307-246	c 09	N71-27016 *	#	US-PATENT-CLASS-307-321	c 33	N75-19520 *	#
US-PATENT-CLASS-30-180	c 37	N84-28085 *	#	US-PATENT-CLASS-307-247	c 09	N71-29139 *	#	US-PATENT-CLASS-307-321	c 33	N75-25041 *	#
US-PATENT-CLASS-30-188	c 37	N84-28085 *	#	US-PATENT-CLASS-307-247	c 09	N72-22202 *	#	US-PATENT-CLASS-307-322	c 10	N72-22236 *	#
US-PATENT-CLASS-30-228	c 15	N70-42017 *	#	US-PATENT-CLASS-307-251	c 09	N71-33109 *	#	US-PATENT-CLASS-307-323	c 10	N72-22236 *	#
US-PATENT-CLASS-30-228	c 37	N84-28085 *	#	US-PATENT-CLASS-307-251	c 08	N72-22162 *	#	US-PATENT-CLASS-307-350	c 33	N78-18308 *	#
US-PATENT-CLASS-30-249	c 37	N84-28085 *	#	US-PATENT-CLASS-307-252F	c 09	N72-17153 *	#	US-PATENT-CLASS-307-352	c 33	N81-27396 *	#
US-PATENT-CLASS-30-272R	c 37	N84-28085 *	#	US-PATENT-CLASS-307-252J	c 09	N72-17153 *	#	US-PATENT-CLASS-307-353	c 33	N81-27396 *	#
US-PATENT-CLASS-30-90.6	c 37	N79-10419 *	#	US-PATENT-CLASS-307-252J	c 09	N72-22201 *	#	US-PATENT-CLASS-307-35	c 33	N74-34638 *	#
US-PATENT-CLASS-301-5P	c 37	N74-18125 *	#	US-PATENT-CLASS-307-252K	c 09	N72-22201 *	#	US-PATENT-CLASS-307-360	c 33	N78-18308 *	#
US-PATENT-CLASS-301-82	c 33	N79-10339 *	#	US-PATENT-CLASS-307-252L	c 33	N74-27682 *	#	US-PATENT-CLASS-307-38	c 03	N73-31988 *	#
US-PATENT-CLASS-302-66	c 25	N79-11152 *	#	US-PATENT-CLASS-307-252N	c 09	N72-23171 *	#	US-PATENT-CLASS-307-415	c 33	N82-24418 *	#
US-PATENT-CLASS-303-92	c 44	N79-14527 *	#	US-PATENT-CLASS-307-252Q	c 33	N74-27682 *	#	US-PATENT-CLASS-307-520	c 33	N85-29145 *	#
US-PATENT-CLASS-305-35EB	c 11	N73-26238 *	#	US-PATENT-CLASS-307-252R	c 09	N72-23171 *	#	US-PATENT-CLASS-307-521	c 33	N85-29145 *	#
US-PATENT-CLASS-305-36	c 37	N87-17034 *	#	US-PATENT-CLASS-307-252UA	c 33	N81-27395 *	#	US-PATENT-CLASS-307-529	c 33	N85-29145 *	#
US-PATENT-CLASS-305-39	c 11	N73-26238 *	#	US-PATENT-CLASS-307-252	c 10	N69-39888 *	#	US-PATENT-CLASS-307-53	c 10	N71-26626 *	#
US-PATENT-CLASS-305-51	c 37	N87-17034 *	#	US-PATENT-CLASS-307-252	c 09	N71-12514 *	#	US-PATENT-CLASS-307-53	c 33	N78-17296 *	#
US-PATENT-CLASS-305-58PC	c 37	N87-17034 *	#	US-PATENT-CLASS-307-253	c 10	N71-27126 *	#	US-PATENT-CLASS-307-566	c 33	N86-20672 *	#
US-PATENT-CLASS-305-58R	c 37	N87-17034 *	#	US-PATENT-CLASS-307-254	c 10	N71-24799 *	#	US-PATENT-CLASS-307-570	c 33	N86-20672 *	#
US-PATENT-CLASS-307-103	c 09	N72-25262 *	#	US-PATENT-CLASS-307-254	c 09	N72-22200 *	#	US-PATENT-CLASS-307-572	c 33	N86-20672 *	#
US-PATENT-CLASS-307-104	c 09	N71-24892 *	#	US-PATENT-CLASS-307-257	c 09	N72-21247 *	#	US-PATENT-CLASS-307-63	c 44	N80-14472 *	#
US-PATENT-CLASS-307-106	c 09	N69-21468 *	#	US-PATENT-CLASS-307-259	c 09	N72-21247 *	#	US-PATENT-CLASS-307-64	c 33	N77-30365 *	#
US-PATENT-CLASS-307-118	c 09	N72-27227 *	#	US-PATENT-CLASS-307-259	c 09	N72-23171 *	#	US-PATENT-CLASS-307-64	c 44	N85-21769 *	#
US-PATENT-CLASS-307-119	c 33	N79-28415 *	#	US-PATENT-CLASS-307-259	c 10	N73-13235 *	#	US-PATENT-CLASS-307-66	c 44	N80-14472 *	#
US-PATENT-CLASS-307-126	c 14	N71-27407 *	#	US-PATENT-CLASS-307-260	c 09	N71-23311 *	#	US-PATENT-CLASS-307-66	c 44	N85-21769 *	#
US-PATENT-CLASS-307-127	c 33	N74-14956 *	#	US-PATENT-CLASS-307-260	c 05	N71-23317 *	#	US-PATENT-CLASS-307-69	c 33	N78-17296 *	#
US-PATENT-CLASS-307-136	c 09	N69-27500 *	#	US-PATENT-CLASS-307-260	c 33	N75-19515 *	#	US-PATENT-CLASS-307-81	c 09	N72-17157 *	#
US-PATENT-CLASS-307-141.8	c 03	N72-25020 *	#	US-PATENT-CLASS-307-261	c 09	N73-33109 *	#	US-PATENT-CLASS-307-82	c 33	N79-24554 *	#
US-PATENT-CLASS-307-149	c 09	N71-13486 *	#	US-PATENT-CLASS-307-261	c 09	N72-25251 *	#	US-PATENT-CLASS-307-82	c 33	N85-29147 *	#
US-PATENT-CLASS-307-149	c 54	N75-12616 *	#	US-PATENT-CLASS-307-262	c 10	N72-16172 *	#	US-PATENT-CLASS-307-83	c 09	N72-25262 *	#
US-PATENT-CLASS-307-151	c 32	N78-24391 *	#	US-PATENT-CLASS-307-262	c 09	N72-22197 *	#	US-PATENT-CLASS-307-87	c 33	N84-33660 *	#
US-PATENT-CLASS-307-157	c 16	N73-32391 *	#	US-PATENT-CLASS-307-262	c 09	N72-33204 *	#	US-PATENT-CLASS-307-88.3	c 09	N72-25258 *	#
US-PATENT-CLASS-307-18	c 03	N73-31988 *	#	US-PATENT-CLASS-307-263	c 09	N71-23270 *	#	US-PATENT-CLASS-307-88.5	c 09	N70-34819 *	#
US-PATENT-CLASS-307-18	c 33	N74-34638 *	#	US-PATENT-CLASS-307-263	c 09	N71-28926 *	#	US-PATENT-CLASS-307-88.5	c 09	N70-40272 *	#
US-PATENT-CLASS-307-204	c 35	N75-30504 *	#	US-PATENT-CLASS-307-264	c 33	N86-20672 *	#	US-PATENT-CLASS-307-88.5	c 09	N70-41675 *	#
US-PATENT-CLASS-307-205	c 33	N75-14957 *	#	US-PATENT-CLASS-307-265	c 09	N69-39987 *	#	US-PATENT-CLASS-307-88.5	c 10	N70-42032 *	#
US-PATENT-CLASS-307-206	c 10	N72-22236 *	#	US-PATENT-CLASS-307-265	c 10	N71-23029 *	#	US-PATENT-CLASS-307-88.5	c 09	N71-10673 *	#
US-PATENT-CLASS-307-207	c 08	N71-29034 *	#	US-PATENT-CLASS-307-265	c 09	N71-28468 *	#	US-PATENT-CLASS-307-88.5	c 10	N71-15910 *	#
US-PATENT-CLASS-307-207	c 09	N73-13209 *	#	US-PATENT-CLASS-307-265	c 10	N71-28860 *	#	US-PATENT-CLASS-307-88.5	c 10	N71-16042 *	#
US-PATENT-CLASS-307-208	c 33	N75-14957 *	#	US-PATENT-CLASS-307-265	c 08	N71-29138 *	#	US-PATENT-CLASS-307-88.5	c 10	N71-28739 *	#
US-PATENT-CLASS-307-211	c 35	N75-30504 *	#	US-PATENT-CLASS-307-265	c 09	N71-29139 *	#	US-PATENT-CLASS-307-88MP	c 09	N72-22197 *	#
US-PATENT-CLASS-307-215	c 10	N71-28860 *	#	US-PATENT-CLASS-307-265	c 33	N78-18308 *	#	US-PATENT-CLASS-307-88	c 08	N70-34743 *	#
US-PATENT-CLASS-307-215	c 09	N71-29139 *	#	US-PATENT-CLASS-307-267	c 09	N71-20447 *	#	US-PATENT-CLASS-307-88	c 09	N70-38604 *	#
US-PATENT-CLASS-307-215	c 10	N72-22236 *	#	US-PATENT-CLASS-307-267	c 33	N74-32711 *	#	US-PATENT-CLASS-307-88	c 09	N71-24803 *	#
US-PATENT-CLASS-307-215	c 09	N73-13209 *	#	US-PATENT-CLASS-307-267	c 33	N75-18479 *	#	US-PATENT-CLASS-307-88	c 09	N71-26000 *	#
US-PATENT-CLASS-307-215	c 33	N74-22814 *	#	US-PATENT-CLASS-307-268	c 09	N69-24317 *	#	US-PATENT-CLASS-307-92	c 09	N72-27227 *	#
US-PATENT-CLASS-307-216	c 08	N71-18751 *	#	US-PATENT-CLASS-307-269	c 60	N81-15706 *	#	US-PATENT-CLASS-308-DIG.1	c 15	N72-17451 *	#
US-PATENT-CLASS-307-219	c 35	N75-30504 *	#	US-PATENT-CLASS-307-270	c 33	N78-17294 *	#	US-PATENT-CLASS-308-DIG.1	c 37	N79-10418 *	#
US-PATENT-CLASS-307-219	c 60	N81-15706 *	#	US-PATENT-CLASS-307-270	c 33	N86-20672 *	#	US-PATENT-CLASS-308-DIG.8	c 24	N79-17916 *	#
US-PATENT-CLASS-307-220	c 10	N73-26229 *	#	US-PATENT-CLASS-307-271	c 10	N73-32145 *	#	US-PATENT-CLASS-308-DIG.9	c 24	N79-17916 *	#
US-PATENT-CLASS-307-221R	c 10	N73-20254 *	#	US-PATENT-CLASS-307-271	c 33	N85-29145 *	#	US-PATENT-CLASS-308-DIG.9	c 24	N79-17916 *	#
US-PATENT-CLASS-307-221R	c 33	N76-14373 *	#	US-PATENT-CLASS-307-273	c 10	N71-19722 *	#	US-PATENT-CLASS-308-10	c 15	N71-22207 *	#
US-PATENT-CLASS-307-222	c 09	N69-27463 *	#	US-PATENT-CLASS-307-273	c 09	N71-27016 *	#	US-PATENT-CLASS-308-10	c 15	N72-33476 *	#
US-PATENT-CLASS-307-222	c 08	N71-29034 *	#	US-PATENT-CLASS-307-273	c 09	N71-28468 *	#	US-PATENT-CLASS-308-10	c 35	N74-18323 *	#
US-PATENT-CLASS-307-223B	c 09	N72-22201 *	#	US-PATENT-CLASS-307-273	c 10	N71-28860 *	#	US-PATENT-CLASS-308-10	c 37	N75-18574 *	#
US-PATENT-CLASS-307-223	c 09	N72-17157 *	#	US-PATENT-CLASS-307-273	c 09	N71-29139 *	#	US-PATENT-CLASS-308-10	c 37	N76-18459 *	#
US-PATENT-CLASS-307-225R	c 33	N74-10223 *	#	US-PATENT-CLASS-307-273	c 10	N72-20221 *	#	US-PATENT-CLASS-308-10	c 37	N77-17464 *	#
US-PATENT-CLASS-307-225R	c 33	N75-31330 *	#	US-PATENT-CLASS-307-280	c 33	N77-21314 *	#	US-PATENT-CLASS-308-10	c 44	N78-24608 *	#
US-PATENT-CLASS-307-225R	c 33	N77-24375 *	#	US-PATENT-CLASS-307-284	c 09	N72-22201 *	#	US-PATENT-CLASS-308-10	c 37	N78-27424 *	#
US-PATENT-CLASS-307-225R	c 60	N81-15706 *	#	US-PATENT-CLASS-307-288	c 09	N71-33015 *	#	US-PATENT-CLASS-308-10	c 35	N79-26372 *	#
US-PATENT-CLASS-307-227	c 09	N72-17157 *	#	US-PATENT-CLASS-307-288	c 09	N71-28468 *	#	US-PATENT-CLASS-308-10	c 71	N81-15767 *	#
US-PATENT-CLASS-307-227	c 33	N75-19522 *	#	US-PATENT-CLASS-307-288	c 10	N72-20221 *	#	US-PATENT-CLASS-308-10	c 44	N83-28574 *	#
US-PATENT-CLASS-307-229	c 09	N71-12520 *	#	US-PATENT-CLASS-307-288	c 09	N72-22202 *	#	US-PATENT-CLASS-308-10	c 37	N83-32067 *	#
US-PATENT-CLASS-307-229	c 09	N72-23173 *	#	US-PATENT-CLASS-307-289	c 10	N71-19547 *	#	US-PATENT-CLASS-308-10	c 37	N83-34323 *	#
US-PATENT-CLASS-307-229	c 33	N75-18479 *	#	US-PATENT-CLASS-307-28	c 03	N73-31988 *	#	US-PATENT-CLASS-308-10	c 71	N83-36846 *	#
US-PATENT-CLASS-307-229	c 33	N77-17354 *	#	US-PATENT-CLASS-307-290	c 33	N74-22814 *	#	US-PATENT-CLASS-308-121	c 37	N85-20337 *	#
US-PATENT-CLASS-307-229	c 33	N78-32339 *	#	US-PATENT-CLASS-307-291	c 60	N81-15706 *	#	US-PATENT-CLASS-308-121	c 37	N74-32921 *	#
US-PATENT-CLASS-307-230	c 10	N72-16172 *	#	US-PATENT-CLASS-307-294	c 09	N71-29139 *	#	US-PATENT-CLASS-308-121	c 37	N75-30562 *	#
US-PATENT-CLASS-307-230	c 09	N72-21245 *	#	US-PATENT-CLASS-307-295	c 10	N72-17171 *	#	US-PATENT-CLASS-308-121	c 37	N79-10418 *	#
US-PATENT-CLASS-307-230	c 09	N73-20232 *	#	US-PATENT-CLASS-307-295	c 10	N72-20223 *	#	US-PATENT-CLASS-308-122	c 37	N76-15461 *	#
US-PATENT-CLASS-307-230	c 33	N74-32712 *	#	US-PATENT-CLASS-307-295	c 09						

REPORT NUMBER INDEX

US-PATENT-CLASS-315-18

US-PATENT-CLASS-308-172	c 37	N79-10418 *	#	US-PATENT-CLASS-310-336	c 38	N79-14398 *	#	US-PATENT-CLASS-313-231.4	c 72	N80-33186 *	#
US-PATENT-CLASS-308-174	c 54	N75-12616 *	#	US-PATENT-CLASS-310-360	c 35	N80-20559 *	#	US-PATENT-CLASS-313-231	c 06	N69-39889 *	#
US-PATENT-CLASS-308-176	c 15	N71-22982 *	#	US-PATENT-CLASS-310-366	c 35	N84-22932 *	#	US-PATENT-CLASS-313-231	c 09	N71-23190 *	#
US-PATENT-CLASS-308-177	c 15	N71-29136 *	#	US-PATENT-CLASS-310-4A	c 37	N77-19458 *	#	US-PATENT-CLASS-313-231	c 09	N71-33519 *	#
US-PATENT-CLASS-308-187	c 15	N71-26189 *	#	US-PATENT-CLASS-310-4R	c 33	N74-27683 *	#	US-PATENT-CLASS-313-231	c 25	N72-24753 *	#
US-PATENT-CLASS-308-188	c 15	N73-30458 *	#	US-PATENT-CLASS-310-4R	c 73	N77-18891 *	#	US-PATENT-CLASS-313-231	c 25	N72-32688 *	#
US-PATENT-CLASS-308-188	c 37	N74-21064 *	#	US-PATENT-CLASS-310-40	c 20	N75-24837 *	#	US-PATENT-CLASS-313-231	c 28	N73-24783 *	#
US-PATENT-CLASS-308-191	c 37	N74-21064 *	#	US-PATENT-CLASS-310-42	c 14	N72-22439 *	#	US-PATENT-CLASS-313-231	c 25	N73-25760 *	#
US-PATENT-CLASS-308-191	c 37	N75-31446 *	#	US-PATENT-CLASS-310-46	c 33	N79-20314 *	#	US-PATENT-CLASS-313-236	c 09	N71-26182 *	#
US-PATENT-CLASS-308-193	c 15	N73-30458 *	#	US-PATENT-CLASS-310-4	c 09	N69-21313 *	#	US-PATENT-CLASS-313-237	c 09	N71-26182 *	#
US-PATENT-CLASS-308-194	c 37	N79-11404 *	#	US-PATENT-CLASS-310-4	c 03	N69-39898 *	#	US-PATENT-CLASS-313-240	c 20	N77-10148 *	#
US-PATENT-CLASS-308-195	c 15	N72-22490 *	#	US-PATENT-CLASS-310-4	c 09	N69-39929 *	#	US-PATENT-CLASS-313-250	c 31	N76-31365 *	#
US-PATENT-CLASS-308-195	c 37	N75-31446 *	#	US-PATENT-CLASS-310-4	c 03	N70-34134 *	#	US-PATENT-CLASS-313-271	c 25	N71-20747 *	#
US-PATENT-CLASS-308-195	c 37	N77-32500 *	#	US-PATENT-CLASS-310-4	c 03	N71-11055 *	#	US-PATENT-CLASS-313-306	c 31	N76-31365 *	#
US-PATENT-CLASS-308-1	c 31	N71-26537 *	#	US-PATENT-CLASS-310-4	c 22	N71-23599 *	#	US-PATENT-CLASS-313-309	c 10	N72-27246 *	#
US-PATENT-CLASS-308-2A	c 15	N72-26371 *	#	US-PATENT-CLASS-310-4	c 09	N71-24807 *	#	US-PATENT-CLASS-313-309	c 31	N76-31365 *	#
US-PATENT-CLASS-308-2A	c 15	N73-12488 *	#	US-PATENT-CLASS-310-4	c 33	N71-27862 *	#	US-PATENT-CLASS-313-311	c 73	N77-18891 *	#
US-PATENT-CLASS-308-2A	c 37	N84-12492 *	#	US-PATENT-CLASS-310-4	c 09	N71-28421 *	#	US-PATENT-CLASS-313-32	c 33	N74-12913 *	#
US-PATENT-CLASS-308-201	c 37	N75-31446 *	#	US-PATENT-CLASS-310-4	c 09	N72-25260 *	#	US-PATENT-CLASS-313-32	c 33	N77-21315 *	#
US-PATENT-CLASS-308-2	c 15	N71-23812 *	#	US-PATENT-CLASS-310-4	c 20	N75-24637 *	#	US-PATENT-CLASS-313-336	c 10	N72-27246 *	#
US-PATENT-CLASS-308-35	c 15	N73-32359 *	#	US-PATENT-CLASS-310-4	c 36	N75-30524 *	#	US-PATENT-CLASS-313-338	c 31	N76-31365 *	#
US-PATENT-CLASS-308-5R	c 37	N77-28486 *	#	US-PATENT-CLASS-310-4	c 44	N76-16612 *	#	US-PATENT-CLASS-313-348	c 35	N82-24471 *	#
US-PATENT-CLASS-308-5R	c 37	N79-10418 *	#	US-PATENT-CLASS-310-51	c 15	N71-27169 *	#	US-PATENT-CLASS-313-351	c 10	N72-27246 *	#
US-PATENT-CLASS-308-5R	c 37	N71-10617 *	#	US-PATENT-CLASS-310-52	c 20	N75-24637 *	#	US-PATENT-CLASS-313-351	c 70	N84-28565 *	#
US-PATENT-CLASS-308-5	c 15	N72-11388 *	#	US-PATENT-CLASS-310-54	c 09	N71-20446 *	#	US-PATENT-CLASS-313-352	c 09	N71-22987 *	#
US-PATENT-CLASS-308-5	c 15	N72-17451 *	#	US-PATENT-CLASS-310-5	c 03	N70-35408 *	#	US-PATENT-CLASS-313-355	c 28	N73-27699 *	#
US-PATENT-CLASS-308-72	c 37	N76-15461 *	#	US-PATENT-CLASS-310-68B	c 35	N84-28017 *	#	US-PATENT-CLASS-313-356	c 14	N72-29464 *	#
US-PATENT-CLASS-308-72	c 37	N77-32500 *	#	US-PATENT-CLASS-310-68	c 15	N72-25456 *	#	US-PATENT-CLASS-313-35	c 34	N79-20336 *	#
US-PATENT-CLASS-308-72	c 37	N79-11404 *	#	US-PATENT-CLASS-310-77	c 37	N85-30333 *	#	US-PATENT-CLASS-313-360	c 20	N77-20162 *	#
US-PATENT-CLASS-308-73	c 37	N74-21061 *	#	US-PATENT-CLASS-310-8.2	c 35	N76-15432 *	#	US-PATENT-CLASS-313-361	c 20	N77-10148 *	#
US-PATENT-CLASS-308-73	c 37	N75-30562 *	#	US-PATENT-CLASS-310-8.5	c 14	N71-22993 *	#	US-PATENT-CLASS-313-362	c 72	N80-33186 *	#
US-PATENT-CLASS-308-73	c 37	N76-15461 *	#	US-PATENT-CLASS-310-800	c 76	N83-34796 *	#	US-PATENT-CLASS-313-363	c 72	N80-27163 *	#
US-PATENT-CLASS-308-73	c 37	N77-28486 *	#	US-PATENT-CLASS-310-80	c 15	N72-25456 *	#	US-PATENT-CLASS-313-442	c 74	N78-18905 *	#
US-PATENT-CLASS-308-78	c 24	N79-17916 *	#	US-PATENT-CLASS-310-82	c 33	N79-20314 *	#	US-PATENT-CLASS-313-44	c 15	N69-24319 *	#
US-PATENT-CLASS-308-87R	c 24	N79-17916 *	#	US-PATENT-CLASS-310-83	c 15	N72-25456 *	#	US-PATENT-CLASS-313-60	c 33	N77-22386 *	#
US-PATENT-CLASS-308-9	c 15	N70-34664 *	#	US-PATENT-CLASS-310-9.1	c 15	N71-21311 *	#	US-PATENT-CLASS-313-61S	c 73	N74-26767 *	#
US-PATENT-CLASS-308-9	c 15	N70-38620 *	#	US-PATENT-CLASS-310-90.5	c 37	N87-17038 *	#	US-PATENT-CLASS-313-61S	c 37	N78-13436 *	#
US-PATENT-CLASS-308-9	c 15	N70-39896 *	#	US-PATENT-CLASS-310-93	c 15	N71-17652 *	#	US-PATENT-CLASS-313-63	c 28	N70-41576 *	#
US-PATENT-CLASS-308-9	c 15	N71-20739 *	#	US-PATENT-CLASS-310-93	c 37	N85-30333 *	#	US-PATENT-CLASS-313-63	c 09	N71-10618 *	#
US-PATENT-CLASS-308-9	c 14	N71-26627 *	#	US-PATENT-CLASS-311-37	c 35	N75-29380 *	#	US-PATENT-CLASS-313-63	c 28	N71-26781 *	#
US-PATENT-CLASS-308-9	c 15	N72-17451 *	#	US-PATENT-CLASS-312-1	c 05	N71-23080 *	#	US-PATENT-CLASS-313-63	c 28	N73-24783 *	#
US-PATENT-CLASS-308-9	c 15	N73-32359 *	#	US-PATENT-CLASS-312-1	c 05	N73-20137 *	#	US-PATENT-CLASS-313-63	c 28	N73-27699 *	#
US-PATENT-CLASS-308-9	c 37	N76-15461 *	#	US-PATENT-CLASS-312-296	c 37	N74-20063 *	#	US-PATENT-CLASS-313-7	c 75	N75-13625 *	#
US-PATENT-CLASS-308-9	c 37	N77-28486 *	#	US-PATENT-CLASS-312-319	c 37	N74-18123 *	#	US-PATENT-CLASS-313-7	c 14	N71-18482 *	#
US-PATENT-CLASS-308-9	c 37	N79-10418 *	#	US-PATENT-CLASS-313-106	c 09	N72-22874 *	#	US-PATENT-CLASS-313-93	c 14	N73-32324 *	#
US-PATENT-CLASS-31-35	c 31	N85-21404 *	#	US-PATENT-CLASS-313-106	c 28	N71-18600 *	#	US-PATENT-CLASS-313-93	c 35	N74-26949 *	#
US-PATENT-CLASS-310-101	c 15	N71-24696 *	#	US-PATENT-CLASS-313-106	c 37	N79-33467 *	#	US-PATENT-CLASS-313-93	c 35	N82-24471 *	#
US-PATENT-CLASS-310-10	c 03	N69-39890 *	#	US-PATENT-CLASS-313-106	c 28	N73-24783 *	#	US-PATENT-CLASS-313-94	c 33	N76-31409 *	#
US-PATENT-CLASS-310-10	c 09	N71-23443 *	#	US-PATENT-CLASS-313-106	c 14	N73-32317 *	#	US-PATENT-CLASS-313-94	c 74	N78-18905 *	#
US-PATENT-CLASS-310-10	c 09	N71-24904 *	#	US-PATENT-CLASS-313-106	c 24	N83-10117 *	#	US-PATENT-CLASS-314-129	c 15	N69-24666 *	#
US-PATENT-CLASS-310-10	c 09	N72-25255 *	#	US-PATENT-CLASS-313-106	c 70	N84-28565 *	#	US-PATENT-CLASS-315-DIG.2	c 16	N73-32391 *	#
US-PATENT-CLASS-310-10	c 20	N75-24837 *	#	US-PATENT-CLASS-313-106	c 31	N86-32587 *	#	US-PATENT-CLASS-315-108	c 16	N73-32391 *	#
US-PATENT-CLASS-310-111	c 33	N77-26387 *	#	US-PATENT-CLASS-313-107	c 24	N83-10117 *	#	US-PATENT-CLASS-315-108	c 09	N71-33519 *	#
US-PATENT-CLASS-310-11	c 25	N69-21929 *	#	US-PATENT-CLASS-313-107	c 70	N84-28565 *	#	US-PATENT-CLASS-315-108	c 33	N77-21316 *	#
US-PATENT-CLASS-310-11	c 03	N69-39983 *	#	US-PATENT-CLASS-313-107	c 31	N86-32587 *	#	US-PATENT-CLASS-315-108	c 36	N78-17366 *	#
US-PATENT-CLASS-310-11	c 03	N70-36803 *	#	US-PATENT-CLASS-313-109.5	c 09	N71-33519 *	#	US-PATENT-CLASS-315-10	c 33	N74-21850 *	#
US-PATENT-CLASS-310-11	c 14	N72-22439 *	#	US-PATENT-CLASS-313-11.5	c 28	N70-39925 *	#	US-PATENT-CLASS-315-10	c 33	N75-26244 *	#
US-PATENT-CLASS-310-11	c 12	N72-25292 *	#	US-PATENT-CLASS-313-110	c 09	N71-12521 *	#	US-PATENT-CLASS-315-110	c 33	N77-21316 *	#
US-PATENT-CLASS-310-11	c 35	N74-21018 *	#	US-PATENT-CLASS-313-11A	c 33	N85-21491 *	#	US-PATENT-CLASS-315-11.2	c 75	N78-27913 *	#
US-PATENT-CLASS-310-11	c 36	N75-32441 *	#	US-PATENT-CLASS-313-146	c 33	N77-22386 *	#	US-PATENT-CLASS-315-111.31	c 33	N85-21491 *	#
US-PATENT-CLASS-310-11	c 44	N83-28573 *	#	US-PATENT-CLASS-313-153	c 33	N74-12913 *	#	US-PATENT-CLASS-315-111.3	c 20	N77-10148 *	#
US-PATENT-CLASS-310-12	c 33	N82-24421 *	#	US-PATENT-CLASS-313-156	c 25	N70-34661 *	#	US-PATENT-CLASS-315-111.6	c 75	N76-14931 *	#
US-PATENT-CLASS-310-12	c 37	N83-32067 *	#	US-PATENT-CLASS-313-156	c 72	N80-27163 *	#	US-PATENT-CLASS-315-111.6	c 20	N77-20162 *	#
US-PATENT-CLASS-310-153	c 44	N78-24608 *	#	US-PATENT-CLASS-313-161	c 25	N73-25760 *	#	US-PATENT-CLASS-315-111.81	c 33	N85-21491 *	#
US-PATENT-CLASS-310-154	c 44	N78-24608 *	#	US-PATENT-CLASS-313-161	c 09	N73-30181 *	#	US-PATENT-CLASS-315-111	c 25	N70-33267 *	#
US-PATENT-CLASS-310-154	c 35	N84-28017 *	#	US-PATENT-CLASS-313-161	c 33	N77-21315 *	#	US-PATENT-CLASS-315-111	c 25	N70-41628 *	#
US-PATENT-CLASS-310-15	c 09	N72-25255 *	#	US-PATENT-CLASS-313-175	c 33	N77-21316 *	#	US-PATENT-CLASS-315-111	c 25	N71-15562 *	#
US-PATENT-CLASS-310-15	c 44	N83-28574 *	#	US-PATENT-CLASS-313-175	c 31	N78-17238 *	#	US-PATENT-CLASS-315-111	c 24	N71-16213 *	#
US-PATENT-CLASS-310-168	c 09	N71-25999 *	#	US-PATENT-CLASS-313-176	c 31	N78-17238 *	#	US-PATENT-CLASS-315-111	c 25	N71-21693 *	#
US-PATENT-CLASS-310-168	c 33	N77-26387 *	#	US-PATENT-CLASS-313-180	c 33	N77-21316 *	#	US-PATENT-CLASS-315-111	c 28	N71-26781 *	#
US-PATENT-CLASS-310-171	c 35	N84-28017 *	#	US-PATENT-CLASS-313-180	c 31	N78-17238 *	#	US-PATENT-CLASS-315-111	c 25	N71-29184 *	#
US-PATENT-CLASS-310-178	c 44	N78-24608 *	#	US-PATENT-CLASS-313-182	c 33	N77-22386 *	#	US-PATENT-CLASS-315-111	c 09	N71-33519 *	#
US-PATENT-CLASS-310-20	c 71	N79-20827 *	#	US-PATENT-CLASS-313-184	c 33	N77-21316 *	#	US-PATENT-CLASS-315-111	c 25	N72-24753 *	#
US-PATENT-CLASS-310-22	c 31	N85-21404 *	#	US-PATENT-CLASS-313-184	c 33	N77-21316 *	#	US-PATENT-CLASS-315-111	c 25	N72-32688 *	#
US-PATENT-CLASS-310-231	c 33	N79-20314 *	#	US-PATENT-CLASS-313-184	c 33	N77-21316 *	#	US-PATENT-CLASS-315-111	c 14	N73-30391 *	#
US-PATENT-CLASS-310-254	c 09	N71-25999 *	#	US-PATENT-CLASS-313-186	c 31	N78-17238 *	#	US-PATENT-CLASS-315-111	c 25	N75-13625 *	#
US-PATENT-CLASS-310-269	c 44	N78-24608 *	#	US-PATENT-CLASS-313-209	c 25	N72-24753 *	#	US-PATENT-CLASS-315-111	c 33	N75-29318 *	#
US-PATENT-CLASS-310-26	c 71	N79-20827 *	#	US-PATENT-CLASS-313-212	c 25	N72-24753 *	#	US-PATENT-CLASS-315-111	c 37	N75-29426 *	#
US-PATENT-CLASS-310-2	c 03	N72-23048 *	#	US-PATENT-CLASS-313-217	c 28	N73-27699 *	#	US-PATENT-CLASS-315-11	c 33	N74-21850 *	#
US-PATENT-CLASS-310-300	c 71	N84-23233 *	#	US-PATENT-CLASS-313-217	c 33	N74-12913 *	#	US-PATENT-CLASS-315-12	c 33	N74-21850 *	#
US-PATENT-CLASS-310-306	c 33	N80-18287 *	#	US-PATENT-CLASS-313-218	c 28	N73-27699 *	#	US-PATENT-CLASS-315-12	c 33	N72-25250 *	#
US-PATENT-CLASS-310-306	c 44	N83-32175 *	#	US-PATENT-CLASS-313-224	c 25	N72-24753 *	#	US-PATENT-CLASS-315-135	c 09	N80-14330 *	#
US-PATENT-CLASS-310-306	c 34	N85-29179 *	#	US-PATENT-CLASS-313-224	c 33	N74-12913 *	#	US-PATENT-CLASS-315-145	c 33	N72-27411 *	#
US-PATENT-CLASS-310-30	c 44	N80-29834 *	#	US-PATENT-CLASS-313-224	c 33	N77-21315 *	#	US-PATENT-CLASS-315-151	c 14	N73-16483 *	#
US-PATENT-CLASS-310-311	c 35	N80-20559 *	#	US-PATENT-CLASS-313-224	c 31	N78-17238 *	#	US-PATENT-CLASS-315-153	c 14	N79-12890 *	#
US-PATENT-CLASS-310-317	c 35	N84-22932 *	#	US-PATENT-CLASS-313-22	c 09	N71-26787 *	#	US-PATENT-CLASS-315-156	c 74	N72-27411 *	#
US-PATENT-CLASS-310-319	c 33	N80-23559 *	#	US-PATENT-CLASS-313-22	c 31	N78-17237 *	#	US-PATENT-CLASS-315-158	c 14	N72-27411 *	#
US-PATENT-CLASS-310-322	c 71	N79-20827 *	#	US-PATENT-CLASS-313-22	c 34	N79-20336 *	#	US-PATENT-CLASS-315-160	c 09		

US-PATENT-CLASS-315-208	c 33	N83-34189 *	#	US-PATENT-CLASS-317-234D	c 14	N72-31446 *	#	US-PATENT-CLASS-318-254	c 33	N77-26386 *	#
US-PATENT-CLASS-315-209CD	c 37	N79-11405 *	#	US-PATENT-CLASS-317-234E	c 33	N74-12951 *	#	US-PATENT-CLASS-318-254	c 33	N81-20352 *	#
US-PATENT-CLASS-315-209SC	c 37	N79-11405 *	#	US-PATENT-CLASS-317-234F	c 33	N74-12951 *	#	US-PATENT-CLASS-318-254	c 33	N82-26569 *	#
US-PATENT-CLASS-315-211	c 33	N74-20859 *	#	US-PATENT-CLASS-317-234G	c 14	N72-31446 *	#	US-PATENT-CLASS-318-257	c 10	N71-18724 *	#
US-PATENT-CLASS-315-22R	c 10	N72-31273 *	#	US-PATENT-CLASS-317-234H	c 15	N73-14469 *	#	US-PATENT-CLASS-318-258	c 09	N71-26092 *	#
US-PATENT-CLASS-315-224	c 33	N83-34189 *	#	US-PATENT-CLASS-317-234I	c 09	N73-27150 *	#	US-PATENT-CLASS-318-260	c 09	N70-38712 *	#
US-PATENT-CLASS-315-225	c 33	N83-34189 *	#	US-PATENT-CLASS-317-234J	c 26	N72-25679 *	#	US-PATENT-CLASS-318-265	c 15	N71-24895 *	#
US-PATENT-CLASS-315-228	c 33	N74-20859 *	#	US-PATENT-CLASS-317-234L	c 09	N73-27150 *	#	US-PATENT-CLASS-318-267	c 37	N77-27400 *	#
US-PATENT-CLASS-315-22	c 10	N72-20225 *	#	US-PATENT-CLASS-317-234M	c 09	N73-27150 *	#	US-PATENT-CLASS-318-308	c 11	N72-20244 *	#
US-PATENT-CLASS-315-22	c 32	N74-20813 *	#	US-PATENT-CLASS-317-234N	c 33	N74-12951 *	#	US-PATENT-CLASS-318-314	c 10	N71-20448 *	#
US-PATENT-CLASS-315-22	c 33	N78-17293 *	#	US-PATENT-CLASS-317-234N	c 09	N73-27150 *	#	US-PATENT-CLASS-318-314	c 09	N75-24758 *	#
US-PATENT-CLASS-315-237	c 33	N83-34189 *	#	US-PATENT-CLASS-317-234O	c 33	N74-12951 *	#	US-PATENT-CLASS-318-317	c 09	N71-28886 *	#
US-PATENT-CLASS-315-241R	c 37	N79-11405 *	#	US-PATENT-CLASS-317-234R	c 09	N73-27150 *	#	US-PATENT-CLASS-318-318	c 09	N71-24805 *	#
US-PATENT-CLASS-315-241R	c 33	N83-34189 *	#	US-PATENT-CLASS-317-234R	c 33	N74-12951 *	#	US-PATENT-CLASS-318-318	c 09	N75-24758 *	#
US-PATENT-CLASS-315-241	c 09	N71-13518 *	#	US-PATENT-CLASS-317-234V	c 26	N72-21701 *	#	US-PATENT-CLASS-318-31	c 15	N71-28952 *	#
US-PATENT-CLASS-315-248	c 09	N73-30181 *	#	US-PATENT-CLASS-317-234V	c 09	N73-15235 *	#	US-PATENT-CLASS-318-327	c 11	N72-20244 *	#
US-PATENT-CLASS-315-24	c 08	N71-20571 *	#	US-PATENT-CLASS-317-234	c 14	N69-23191 *	#	US-PATENT-CLASS-318-328	c 09	N73-32107 *	#
US-PATENT-CLASS-315-258	c 16	N73-32391 *	#	US-PATENT-CLASS-317-234	c 09	N69-27422 *	#	US-PATENT-CLASS-318-331	c 09	N71-28886 *	#
US-PATENT-CLASS-315-25	c 10	N72-20225 *	#	US-PATENT-CLASS-317-234	c 26	N71-18064 *	#	US-PATENT-CLASS-318-341	c 10	N73-32145 *	#
US-PATENT-CLASS-315-260	c 33	N80-14330 *	#	US-PATENT-CLASS-317-235AG	c 09	N71-15235 *	#	US-PATENT-CLASS-318-341	c 09	N75-24758 *	#
US-PATENT-CLASS-315-26	c 09	N71-23189 *	#	US-PATENT-CLASS-317-235AJ	c 26	N72-25679 *	#	US-PATENT-CLASS-318-345	c 09	N71-28886 *	#
US-PATENT-CLASS-315-297	c 14	N72-27411 *	#	US-PATENT-CLASS-317-235AJ	c 09	N72-33205 *	#	US-PATENT-CLASS-318-376	c 10	N71-16030 *	#
US-PATENT-CLASS-315-3.5	c 09	N73-13208 *	#	US-PATENT-CLASS-317-235AM	c 09	N73-19235 *	#	US-PATENT-CLASS-318-376	c 11	N72-20244 *	#
US-PATENT-CLASS-315-3.5	c 33	N79-10339 *	#	US-PATENT-CLASS-317-235A	c 26	N72-25679 *	#	US-PATENT-CLASS-318-382	c 15	N71-24695 *	#
US-PATENT-CLASS-315-3.5	c 33	N82-26568 *	#	US-PATENT-CLASS-317-235A	c 09	N73-32025 *	#	US-PATENT-CLASS-318-438	c 33	N84-22885 *	#
US-PATENT-CLASS-315-3.5	c 33	N84-16452 *	#	US-PATENT-CLASS-317-235H	c 35	N75-13213 *	#	US-PATENT-CLASS-318-439	c 33	N81-20352 *	#
US-PATENT-CLASS-315-3.5	c 37	N85-33489 *	#	US-PATENT-CLASS-317-235K	c 09	N73-15235 *	#	US-PATENT-CLASS-318-468	c 37	N77-27400 *	#
US-PATENT-CLASS-315-3.5	c 33	N86-21742 *	#	US-PATENT-CLASS-317-235M	c 14	N72-31446 *	#	US-PATENT-CLASS-318-46	c 44	N85-21769 *	#
US-PATENT-CLASS-315-3.6	c 33	N79-10339 *	#	US-PATENT-CLASS-317-235N	c 09	N73-19235 *	#	US-PATENT-CLASS-318-470	c 37	N77-27400 *	#
US-PATENT-CLASS-315-3.6	c 33	N82-24415 *	#	US-PATENT-CLASS-317-235N	c 35	N74-15090 *	#	US-PATENT-CLASS-318-489	c 02	N73-19004 *	#
US-PATENT-CLASS-315-3.6	c 33	N82-26568 *	#	US-PATENT-CLASS-317-235R	c 26	N72-21701 *	#	US-PATENT-CLASS-318-48	c 37	N86-27629 *	#
US-PATENT-CLASS-315-3.6	c 33	N84-16452 *	#	US-PATENT-CLASS-317-235R	c 26	N72-25679 *	#	US-PATENT-CLASS-318-504	c 09	N71-28886 *	#
US-PATENT-CLASS-315-3.6	c 33	N84-27974 *	#	US-PATENT-CLASS-317-235R	c 14	N72-31446 *	#	US-PATENT-CLASS-318-561	c 33	N82-18493 *	#
US-PATENT-CLASS-315-3.6	c 33	N86-21742 *	#	US-PATENT-CLASS-317-235R	c 09	N73-19235 *	#	US-PATENT-CLASS-318-564	c 60	N82-29013 *	#
US-PATENT-CLASS-315-30R	c 10	N72-31273 *	#	US-PATENT-CLASS-317-235R	c 09	N73-32112 *	#	US-PATENT-CLASS-318-571	c 10	N71-27136 *	#
US-PATENT-CLASS-315-307	c 14	N72-27411 *	#	US-PATENT-CLASS-317-235T	c 09	N73-19235 *	#	US-PATENT-CLASS-318-573	c 35	N79-14348 *	#
US-PATENT-CLASS-315-30	c 33	N75-27250 *	#	US-PATENT-CLASS-317-235UA	c 09	N73-19235 *	#	US-PATENT-CLASS-318-576	c 09	N72-21246 *	#
US-PATENT-CLASS-315-310	c 14	N72-27411 *	#	US-PATENT-CLASS-317-235WW	c 09	N73-32112 *	#	US-PATENT-CLASS-318-577	c 37	N86-21850 *	#
US-PATENT-CLASS-315-311	c 14	N72-27411 *	#	US-PATENT-CLASS-317-235	c 09	N69-24318 *	#	US-PATENT-CLASS-318-580	c 08	N74-10942 *	#
US-PATENT-CLASS-315-324	c 09	N73-30181 *	#	US-PATENT-CLASS-317-235	c 09	N73-32025 *	#	US-PATENT-CLASS-318-580	c 04	N82-23231 *	#
US-PATENT-CLASS-315-326	c 25	N72-24753 *	#	US-PATENT-CLASS-317-238	c 09	N71-27232 *	#	US-PATENT-CLASS-318-584	c 08	N81-24106 *	#
US-PATENT-CLASS-315-334	c 33	N80-14330 *	#	US-PATENT-CLASS-317-245	c 33	N79-21265 *	#	US-PATENT-CLASS-318-584	c 08	N86-27288 *	#
US-PATENT-CLASS-315-344	c 33	N77-21315 *	#	US-PATENT-CLASS-317-246	c 14	N69-21541 *	#	US-PATENT-CLASS-318-585	c 08	N79-23097 *	#
US-PATENT-CLASS-315-349	c 09	N72-25250 *	#	US-PATENT-CLASS-317-246	c 33	N76-21390 *	#	US-PATENT-CLASS-318-587	c 35	N84-33769 *	#
US-PATENT-CLASS-315-356	c 16	N73-32391 *	#	US-PATENT-CLASS-317-246	c 35	N76-22509 *	#	US-PATENT-CLASS-318-594	c 35	N79-14348 *	#
US-PATENT-CLASS-315-358	c 25	N72-24753 *	#	US-PATENT-CLASS-317-247	c 14	N72-24477 *	#	US-PATENT-CLASS-318-599	c 10	N71-24861 *	#
US-PATENT-CLASS-315-367	c 33	N75-26244 *	#	US-PATENT-CLASS-317-258	c 09	N71-13522 *	#	US-PATENT-CLASS-318-602	c 33	N74-29556 *	#
US-PATENT-CLASS-315-369	c 33	N75-26244 *	#	US-PATENT-CLASS-317-258	c 33	N76-15373 *	#	US-PATENT-CLASS-318-603	c 33	N74-29556 *	#
US-PATENT-CLASS-315-36	c 10	N72-27246 *	#	US-PATENT-CLASS-317-261	c 26	N72-28761 *	#	US-PATENT-CLASS-318-605	c 31	N86-29055 *	#
US-PATENT-CLASS-315-387	c 33	N75-26244 *	#	US-PATENT-CLASS-317-261	c 33	N76-15373 *	#	US-PATENT-CLASS-318-608	c 33	N75-13139 *	#
US-PATENT-CLASS-315-39.3	c 33	N84-16452 *	#	US-PATENT-CLASS-317-31	c 09	N71-12526 *	#	US-PATENT-CLASS-318-611	c 37	N85-30033 *	#
US-PATENT-CLASS-315-39.3	c 33	N84-27974 *	#	US-PATENT-CLASS-317-31	c 10	N71-23543 *	#	US-PATENT-CLASS-318-616	c 08	N79-23097 *	#
US-PATENT-CLASS-315-39.3	c 33	N86-21742 *	#	US-PATENT-CLASS-317-31	c 33	N74-17929 *	#	US-PATENT-CLASS-318-620	c 33	N82-18493 *	#
US-PATENT-CLASS-315-3	c 33	N83-31952 *	#	US-PATENT-CLASS-317-31	c 33	N77-14333 *	#	US-PATENT-CLASS-318-621	c 33	N82-18493 *	#
US-PATENT-CLASS-315-4	c 33	N83-31952 *	#	US-PATENT-CLASS-317-33SC	c 33	N74-14956 *	#	US-PATENT-CLASS-318-622	c 33	N82-18493 *	#
US-PATENT-CLASS-315-5.35	c 33	N74-10195 *	#	US-PATENT-CLASS-317-33	c 10	N71-26531 *	#	US-PATENT-CLASS-318-628	c 08	N74-10942 *	#
US-PATENT-CLASS-315-5.35	c 33	N83-31952 *	#	US-PATENT-CLASS-317-33	c 09	N71-27001 *	#	US-PATENT-CLASS-318-632	c 37	N86-27629 *	#
US-PATENT-CLASS-315-5.38	c 09	N73-13208 *	#	US-PATENT-CLASS-317-33	c 10	N71-27366 *	#	US-PATENT-CLASS-318-636	c 31	N86-29055 *	#
US-PATENT-CLASS-315-5.38	c 33	N74-10195 *	#	US-PATENT-CLASS-317-33	c 09	N71-29008 *	#	US-PATENT-CLASS-318-640	c 33	N75-13139 *	#
US-PATENT-CLASS-315-5.38	c 33	N82-24415 *	#	US-PATENT-CLASS-317-43	c 33	N74-14956 *	#	US-PATENT-CLASS-318-640	c 54	N75-27758 *	#
US-PATENT-CLASS-315-5.38	c 24	N83-10117 *	#	US-PATENT-CLASS-317-46	c 33	N74-14956 *	#	US-PATENT-CLASS-318-640	c 35	N79-14348 *	#
US-PATENT-CLASS-315-5.38	c 33	N83-31952 *	#	US-PATENT-CLASS-317-47	c 33	N74-14956 *	#	US-PATENT-CLASS-318-640	c 37	N81-27519 *	#
US-PATENT-CLASS-315-5.38	c 70	N84-28565 *	#	US-PATENT-CLASS-317-48	c 33	N74-14956 *	#	US-PATENT-CLASS-318-640	c 08	N86-27288 *	#
US-PATENT-CLASS-315-5.38	c 37	N85-33489 *	#	US-PATENT-CLASS-317-54	c 09	N71-29008 *	#	US-PATENT-CLASS-318-649	c 33	N75-13139 *	#
US-PATENT-CLASS-315-5.38	c 31	N86-32587 *	#	US-PATENT-CLASS-317-60	c 09	N71-29008 *	#	US-PATENT-CLASS-318-653	c 10	N71-27136 *	#
US-PATENT-CLASS-315-5	c 33	N83-31952 *	#	US-PATENT-CLASS-317-9	c 09	N71-22796 *	#	US-PATENT-CLASS-318-661	c 31	N86-29055 *	#
US-PATENT-CLASS-317-DIG.3	c 10	N71-26334 *	#	US-PATENT-CLASS-317-9	c 09	N71-27001 *	#	US-PATENT-CLASS-318-663	c 37	N81-33483 *	#
US-PATENT-CLASS-317-DIG.6	c 10	N73-26228 *	#	US-PATENT-CLASS-318-116	c 71	N79-20827 *	#	US-PATENT-CLASS-318-663	c 37	N86-27629 *	#
US-PATENT-CLASS-317-100	c 10	N71-28783 *	#	US-PATENT-CLASS-318-116	c 71	N84-23233 *	#	US-PATENT-CLASS-318-664	c 33	N74-29556 *	#
US-PATENT-CLASS-317-100	c 10	N73-25243 *	#	US-PATENT-CLASS-318-135	c 33	N82-24421 *	#	US-PATENT-CLASS-318-675	c 33	N75-13139 *	#
US-PATENT-CLASS-317-101A	c 09	N72-33205 *	#	US-PATENT-CLASS-318-137	c 33	N75-19524 *	#	US-PATENT-CLASS-318-675	c 37	N77-27400 *	#
US-PATENT-CLASS-317-101A	c 23	N73-13660 *	#	US-PATENT-CLASS-318-138	c 09	N71-10677 *	#	US-PATENT-CLASS-318-685	c 33	N83-35227 *	#
US-PATENT-CLASS-317-101DH	c 15	N72-22486 *	#	US-PATENT-CLASS-318-138	c 14	N71-17585 *	#	US-PATENT-CLASS-318-729	c 33	N83-34190 *	#
US-PATENT-CLASS-317-101DH	c 10	N73-25243 *	#	US-PATENT-CLASS-318-138	c 10	N71-18772 *	#	US-PATENT-CLASS-318-729	c 33	N84-14424 *	#
US-PATENT-CLASS-317-101	c 09	N71-26133 *	#	US-PATENT-CLASS-318-138	c 09	N71-25999 *	#	US-PATENT-CLASS-318-729	c 33	N84-22885 *	#
US-PATENT-CLASS-317-117	c 15	N72-22486 *	#	US-PATENT-CLASS-318-138	c 33	N77-26386 *	#	US-PATENT-CLASS-318-729	c 33	N84-22886 *	#
US-PATENT-CLASS-317-120	c 15	N72-22486 *	#	US-PATENT-CLASS-318-138	c 33	N81-20352 *	#	US-PATENT-CLASS-318-729	c 33	N84-27975 *	#
US-PATENT-CLASS-317-122	c 15	N71-18701 *	#	US-PATENT-CLASS-318-15	c 37	N80-32716 *	#	US-PATENT-CLASS-318-729	c 33	N84-33661 *	#
US-PATENT-CLASS-317-123	c 09	N71-24892 *	#	US-PATENT-CLASS-318-167	c 33	N75-19524 *	#	US-PATENT-CLASS-318-729	c 44	N85-21769 *	#
US-PATENT-CLASS-317-140	c 09	N70-34502 *	#	US-PATENT-CLASS-318-176	c 33	N75-19524 *	#	US-PATENT-CLASS-318-729	c 33	N85-22877 *	#
US-PATENT-CLASS-317-148.5	c 10	N71-23271 *	#	US-PATENT-CLASS-318-183	c 33	N75-19524 *	#	US-PATENT-CLASS-318-798	c 33	N83-34190 *	#
US-PATENT-CLASS-317-148.5	c 09	N71-24892 *	#	US-PATENT-CLASS-318-200.105	c 08	N71-27057 *	#	US-PATENT-CLASS-318-798	c 33	N83-35227 *	#
US-PATENT-CLASS-317-153	c 10	N71-26334 *	#	US-PATENT-CLASS-318-200	c 33	N78-10376 *	#	US-PATENT-CLASS-318-798	c 33	N84-14424 *	#
US-PATENT-CLASS-317-155.5	c 09	N71-29008 *	#	US-PATENT-CLASS-318-227	c 07	N71-33613 *	#	US-PATENT-CLASS-318-798	c 33	N84-22885 *	#
US-PATENT-CLASS-317-157.5	c 15	N69-21472 *	#	US-PATENT-CLASS-318-227	c 33	N75-15874 *	#	US-PATENT-CLASS-318-799	c 33	N81-27395 *	#
US-PATENT-CLASS-317-158	c 15	N73-28516 *	#	US-PATENT-CLASS-318-227	c 33	N77-26386 *	#	US-PATENT-CLASS-318-799	c 33	N84-16455 *	#
US-PATENT-CLASS-317-158	c 26	N73-28710 *	#	US-PATENT-CLASS-318-227	c 33	N78-10376 *	#	US-PATENT-CLASS-318-800	c 33	N	

REPORT NUMBER INDEX

US-PATENT-CLASS-324-71.3

US-PATENT-CLASS-318-809	c 33	N84-27975 *	#	US-PATENT-CLASS-323-106	c 33	N74-22885 *	#	US-PATENT-CLASS-324-181	c 09	N71-24717 *	
US-PATENT-CLASS-318-810	c 33	N81-27395 *	#	US-PATENT-CLASS-323-122	c 33	N74-22885 *	#	US-PATENT-CLASS-324-186	c 09	N72-25257 *	#
US-PATENT-CLASS-318-810	c 33	N84-22885 *	#	US-PATENT-CLASS-323-128	c 33	N74-22885 *	#	US-PATENT-CLASS-324-186	c 52	N74-12778 *	#
US-PATENT-CLASS-318-812	c 33	N82-26569 *	#	US-PATENT-CLASS-323-15	c 20	N79-20179 *	#	US-PATENT-CLASS-324-20R	c 09	N72-32172 *	#
US-PATENT-CLASS-318-812	c 33	N84-22886 *	#	US-PATENT-CLASS-323-15	c 44	N80-14472 *	#	US-PATENT-CLASS-324-20R	c 44	N79-12541 *	#
US-PATENT-CLASS-318-812	c 33	N85-22877 *	#	US-PATENT-CLASS-323-17	c 09	N72-25249 *	#	US-PATENT-CLASS-324-207	c 35	N78-32396 *	#
US-PATENT-CLASS-318-830	c 33	N82-26569 *	#	US-PATENT-CLASS-323-17	c 33	N77-10428 *	#	US-PATENT-CLASS-324-226	c 35	N86-32698 *	#
US-PATENT-CLASS-318-8	c 37	N86-27629 *	#	US-PATENT-CLASS-323-18	c 33	N78-17295 *	#	US-PATENT-CLASS-324-22	c 44	N79-12541 *	#
US-PATENT-CLASS-32-28	c 05	N73-27062 *	#	US-PATENT-CLASS-323-19	c 08	N72-31226 *	#	US-PATENT-CLASS-324-238	c 35	N86-32698 *	#
US-PATENT-CLASS-32-58	c 05	N73-27062 *	#	US-PATENT-CLASS-323-19	c 33	N78-17296 *	#	US-PATENT-CLASS-324-240	c 35	N86-32698 *	#
US-PATENT-CLASS-320-13	c 03	N71-29129 *	#	US-PATENT-CLASS-323-19	c 44	N80-14472 *	#	US-PATENT-CLASS-324-249	c 35	N78-32397 *	#
US-PATENT-CLASS-320-13	c 44	N78-25531 *	#	US-PATENT-CLASS-323-20	c 14	N71-27407 *	#	US-PATENT-CLASS-324-250	c 35	N84-12444 *	#
US-PATENT-CLASS-320-15	c 44	N78-14625 *	#	US-PATENT-CLASS-323-20	c 20	N79-20179 *	#	US-PATENT-CLASS-324-262	c 35	N84-22928 *	#
US-PATENT-CLASS-320-15	c 44	N78-25531 *	#	US-PATENT-CLASS-323-22T	c 09	N72-21243 *	#	US-PATENT-CLASS-324-262	c 35	N86-32698 *	#
US-PATENT-CLASS-320-17	c 03	N71-24605 *	#	US-PATENT-CLASS-323-22T	c 09	N72-25249 *	#	US-PATENT-CLASS-324-29.5	c 03	N72-25020 *	#
US-PATENT-CLASS-320-18	c 44	N78-14625 *	#	US-PATENT-CLASS-323-22T	c 33	N77-10428 *	#	US-PATENT-CLASS-324-29.5	c 14	N73-30388 *	#
US-PATENT-CLASS-320-21	c 44	N76-18643 *	#	US-PATENT-CLASS-323-22T	c 33	N79-23345 *	#	US-PATENT-CLASS-324-29.5	c 44	N74-27519 *	#
US-PATENT-CLASS-320-22	c 44	N76-18643 *	#	US-PATENT-CLASS-323-22	c 09	N71-21449 *	#	US-PATENT-CLASS-324-30B	c 33	N76-19339 *	#
US-PATENT-CLASS-320-23	c 03	N71-19438 *	#	US-PATENT-CLASS-323-22	c 09	N71-23316 *	#	US-PATENT-CLASS-324-30R	c 14	N73-20478 *	#
US-PATENT-CLASS-320-2	c 44	N77-14581 *	#	US-PATENT-CLASS-323-23	c 33	N77-10428 *	#	US-PATENT-CLASS-324-32	c 14	N71-16014 *	#
US-PATENT-CLASS-320-32	c 44	N78-25531 *	#	US-PATENT-CLASS-323-23	c 33	N84-16455 *	#	US-PATENT-CLASS-324-32	c 33	N75-18477 *	#
US-PATENT-CLASS-320-39	c 03	N71-24719 *	#	US-PATENT-CLASS-323-246	c 33	N84-16455 *	#	US-PATENT-CLASS-324-32	c 33	N75-19522 *	#
US-PATENT-CLASS-320-39	c 44	N78-25531 *	#	US-PATENT-CLASS-323-269	c 33	N83-27126 *	#	US-PATENT-CLASS-324-32	c 35	N78-28411 *	#
US-PATENT-CLASS-320-40	c 44	N78-14625 *	#	US-PATENT-CLASS-323-300	c 33	N84-27975 *	#	US-PATENT-CLASS-324-33	c 25	N69-39884 *	#
US-PATENT-CLASS-320-48	c 03	N72-25020 *	#	US-PATENT-CLASS-323-303	c 33	N83-27126 *	#	US-PATENT-CLASS-324-33	c 14	N70-35666 *	#
US-PATENT-CLASS-320-53	c 33	N78-17296 *	#	US-PATENT-CLASS-323-350	c 33	N83-27126 *	#	US-PATENT-CLASS-324-33	c 24	N71-20518 *	#
US-PATENT-CLASS-320-6	c 44	N78-14625 *	#	US-PATENT-CLASS-323-38	c 09	N72-21243 *	#	US-PATENT-CLASS-324-33	c 14	N71-21090 *	#
US-PATENT-CLASS-320-9	c 44	N78-25531 *	#	US-PATENT-CLASS-323-44F	c 33	N79-17133 *	#	US-PATENT-CLASS-324-33	c 14	N71-27090 *	#
US-PATENT-CLASS-321-1.5	c 09	N73-32109 *	#	US-PATENT-CLASS-323-48	c 09	N71-27053 *	#	US-PATENT-CLASS-324-34FL	c 35	N74-21018 *	#
US-PATENT-CLASS-321-10	c 09	N72-17154 *	#	US-PATENT-CLASS-323-48	c 09	N72-25262 *	#	US-PATENT-CLASS-324-34R	c 26	N76-18257 *	#
US-PATENT-CLASS-321-11	c 09	N69-39984 *	#	US-PATENT-CLASS-323-4	c 33	N78-17294 *	#	US-PATENT-CLASS-324-34	c 25	N71-16073 *	#
US-PATENT-CLASS-321-11	c 09	N72-25252 *	#	US-PATENT-CLASS-323-56	c 10	N71-22961 *	#	US-PATENT-CLASS-324-404	c 44	N80-18551 *	#
US-PATENT-CLASS-321-11	c 10	N73-26228 *	#	US-PATENT-CLASS-323-56	c 09	N71-24893 *	#	US-PATENT-CLASS-324-40	c 38	N74-15395 *	#
US-PATENT-CLASS-321-12	c 10	N71-27366 *	#	US-PATENT-CLASS-323-60	c 09	N72-22196 *	#	US-PATENT-CLASS-324-41	c 10	N72-28240 *	#
US-PATENT-CLASS-321-13	c 33	N77-14333 *	#	US-PATENT-CLASS-323-82	c 09	N71-27053 *	#	US-PATENT-CLASS-324-427	c 35	N85-21596 *	#
US-PATENT-CLASS-321-14	c 09	N72-22196 *	#	US-PATENT-CLASS-323-89C	c 09	N72-25262 *	#	US-PATENT-CLASS-324-43R	c 35	N76-16390 *	#
US-PATENT-CLASS-321-15	c 09	N72-22203 *	#	US-PATENT-CLASS-323-8	c 10	N72-22196 *	#	US-PATENT-CLASS-324-43	c 14	N69-27423 *	#
US-PATENT-CLASS-321-15	c 33	N75-19522 *	#	US-PATENT-CLASS-323-901	c 33	N71-10578 *	#	US-PATENT-CLASS-324-43	c 09	N70-40123 *	#
US-PATENT-CLASS-321-18	c 09	N72-22203 *	#	US-PATENT-CLASS-323-93	c 33	N84-33663 *	#	US-PATENT-CLASS-324-43	c 14	N71-15962 *	#
US-PATENT-CLASS-321-18	c 09	N72-25251 *	#	US-PATENT-CLASS-324-5R	c 16	N77-31404 *	#	US-PATENT-CLASS-324-43	c 14	N71-26135 *	#
US-PATENT-CLASS-321-18	c 09	N72-25252 *	#	US-PATENT-CLASS-324-5	c 14	N73-13489 *	#	US-PATENT-CLASS-324-43	c 14	N71-27325 *	#
US-PATENT-CLASS-321-18	c 33	N74-11049 *	#	US-PATENT-CLASS-324-5	c 14	N71-20428 *	#	US-PATENT-CLASS-324-457	c 72	N84-28575 *	#
US-PATENT-CLASS-321-19	c 09	N72-22196 *	#	US-PATENT-CLASS-324-DIG.1	c 33	N75-19520 *	#	US-PATENT-CLASS-324-466	c 33	N83-31954 *	#
US-PATENT-CLASS-321-19	c 09	N72-25252 *	#	US-PATENT-CLASS-324-DIG.1	c 33	N75-25041 *	#	US-PATENT-CLASS-324-51	c 33	N80-26599 *	#
US-PATENT-CLASS-321-19	c 33	N77-10428 *	#	US-PATENT-CLASS-324-0.5	c 14	N71-26137 *	#	US-PATENT-CLASS-324-51	c 33	N81-26359 *	#
US-PATENT-CLASS-321-25	c 09	N72-22196 *	#	US-PATENT-CLASS-324-0.5	c 14	N71-26266 *	#	US-PATENT-CLASS-324-52	c 33	N82-24420 *	#
US-PATENT-CLASS-321-2	c 03	N69-21330 *	#	US-PATENT-CLASS-324-0.5	c 36	N79-14362 *	#	US-PATENT-CLASS-324-52	c 14	N72-17325 *	#
US-PATENT-CLASS-321-2	c 03	N69-25146 *	#	US-PATENT-CLASS-324-102	c 09	N72-11225 *	#	US-PATENT-CLASS-324-52	c 14	N73-28486 *	#
US-PATENT-CLASS-321-2	c 03	N71-12255 *	#	US-PATENT-CLASS-324-102	c 33	N74-17930 *	#	US-PATENT-CLASS-324-52	c 33	N79-18193 *	#
US-PATENT-CLASS-321-2	c 09	N71-23188 *	#	US-PATENT-CLASS-324-102	c 33	N75-19521 *	#	US-PATENT-CLASS-324-52	c 33	N82-24420 *	#
US-PATENT-CLASS-321-2	c 03	N71-23239 *	#	US-PATENT-CLASS-324-102	c 33	N79-11315 *	#	US-PATENT-CLASS-324-54	c 33	N75-18477 *	#
US-PATENT-CLASS-321-2	c 10	N71-26085 *	#	US-PATENT-CLASS-324-102	c 33	N79-14305 *	#	US-PATENT-CLASS-324-57DE	c 33	N78-25319 *	#
US-PATENT-CLASS-321-2	c 09	N72-22196 *	#	US-PATENT-CLASS-324-103	c 10	N71-27338 *	#	US-PATENT-CLASS-324-57H	c 35	N77-32455 *	#
US-PATENT-CLASS-321-2	c 09	N72-22203 *	#	US-PATENT-CLASS-324-106	c 14	N70-38602 *	#	US-PATENT-CLASS-324-57PS	c 35	N75-21582 *	#
US-PATENT-CLASS-321-2	c 03	N72-23048 *	#	US-PATENT-CLASS-324-106	c 08	N71-29138 *	#	US-PATENT-CLASS-324-57R	c 15	N72-21464 *	#
US-PATENT-CLASS-321-2	c 09	N72-25249 *	#	US-PATENT-CLASS-324-107	c 10	N71-27338 *	#	US-PATENT-CLASS-324-57R	c 14	N73-30388 *	#
US-PATENT-CLASS-321-2	c 09	N72-25251 *	#	US-PATENT-CLASS-324-112	c 33	N79-14305 *	#	US-PATENT-CLASS-324-57R	c 35	N74-18090 *	#
US-PATENT-CLASS-321-2	c 09	N72-25252 *	#	US-PATENT-CLASS-324-113	c 09	N70-41655 *	#	US-PATENT-CLASS-324-57R	c 33	N79-10338 *	#
US-PATENT-CLASS-321-2	c 09	N72-25253 *	#	US-PATENT-CLASS-324-113	c 33	N75-19521 *	#	US-PATENT-CLASS-324-57R	c 35	N79-14349 *	#
US-PATENT-CLASS-321-2	c 09	N72-25254 *	#	US-PATENT-CLASS-324-113	c 33	N79-11315 *	#	US-PATENT-CLASS-324-57SS	c 33	N78-25319 *	#
US-PATENT-CLASS-321-2	c 33	N74-11049 *	#	US-PATENT-CLASS-324-113	c 33	N79-14305 *	#	US-PATENT-CLASS-324-57	c 10	N71-16057 *	#
US-PATENT-CLASS-321-2	c 33	N77-10428 *	#	US-PATENT-CLASS-324-115	c 14	N71-26244 *	#	US-PATENT-CLASS-324-57	c 09	N71-20569 *	#
US-PATENT-CLASS-321-45C	c 10	N73-26228 *	#	US-PATENT-CLASS-324-115	c 10	N72-20222 *	#	US-PATENT-CLASS-324-58.5A	c 33	N75-26245 *	#
US-PATENT-CLASS-321-45ER	c 09	N72-25252 *	#	US-PATENT-CLASS-324-117	c 14	N71-23037 *	#	US-PATENT-CLASS-324-58.5B	c 43	N78-10529 *	#
US-PATENT-CLASS-321-45R	c 09	N72-25252 *	#	US-PATENT-CLASS-324-118	c 33	N74-17930 *	#	US-PATENT-CLASS-324-58.5C	c 33	N75-26245 *	#
US-PATENT-CLASS-321-45R	c 09	N72-25254 *	#	US-PATENT-CLASS-324-119	c 09	N72-11225 *	#	US-PATENT-CLASS-324-58.5	c 15	N71-17822 *	#
US-PATENT-CLASS-321-45R	c 33	N74-22864 *	#	US-PATENT-CLASS-324-120	c 14	N71-19431 *	#	US-PATENT-CLASS-324-58.5	c 25	N71-20563 *	#
US-PATENT-CLASS-321-45S	c 33	N74-11049 *	#	US-PATENT-CLASS-324-120	c 09	N71-23021 *	#	US-PATENT-CLASS-324-58.5	c 14	N71-26137 *	#
US-PATENT-CLASS-321-45	c 09	N71-24800 *	#	US-PATENT-CLASS-324-123C	c 33	N79-22373 *	#	US-PATENT-CLASS-324-58.5	c 18	N71-27397 *	#
US-PATENT-CLASS-321-45	c 09	N72-22203 *	#	US-PATENT-CLASS-324-123R	c 09	N72-11225 *	#	US-PATENT-CLASS-324-58A	c 33	N78-25319 *	#
US-PATENT-CLASS-321-47	c 09	N71-33109 *	#	US-PATENT-CLASS-324-127	c 33	N79-18193 *	#	US-PATENT-CLASS-324-59	c 35	N77-32455 *	#
US-PATENT-CLASS-321-47	c 09	N72-25253 *	#	US-PATENT-CLASS-324-130	c 35	N78-28411 *	#	US-PATENT-CLASS-324-5	c 14	N71-28991 *	#
US-PATENT-CLASS-321-48	c 12	N71-20896 *	#	US-PATENT-CLASS-324-132	c 09	N71-13530 *	#	US-PATENT-CLASS-324-60C	c 35	N75-12270 *	#
US-PATENT-CLASS-321-5	c 08	N71-18752 *	#	US-PATENT-CLASS-324-132	c 10	N72-20222 *	#	US-PATENT-CLASS-324-60C	c 76	N76-20994 *	#
US-PATENT-CLASS-321-60	c 14	N71-23174 *	#	US-PATENT-CLASS-324-133	c 10	N71-27338 *	#	US-PATENT-CLASS-324-60	c 33	N77-31404 *	#
US-PATENT-CLASS-321-61	c 09	N71-27364 *	#	US-PATENT-CLASS-324-133	c 33	N79-10337 *	#	US-PATENT-CLASS-324-61R	c 14	N72-24477 *	#
US-PATENT-CLASS-321-64	c 09	N71-27364 *	#	US-PATENT-CLASS-324-133	c 33	N79-11315 *	#	US-PATENT-CLASS-324-61R	c 35	N76-22509 *	#
US-PATENT-CLASS-321-69	c 10	N71-26414 *	#	US-PATENT-CLASS-324-133	c 33	N79-14305 *	#	US-PATENT-CLASS-324-61	c 14	N69-39785 *	#
US-PATENT-CLASS-321-8R	c 35	N74-18090 *	#	US-PATENT-CLASS-324-133	c 33	N79-18193 *	#	US-PATENT-CLASS-324-61	c 14	N70-36618 *	#
US-PATENT-CLASS-321-9	c 10	N71-25139 *	#	US-PATENT-CLASS-324-158D	c 15	N72-25457 *	#	US-PATENT-CLASS-324-61	c 14	N71-10797 *	#
US-PATENT-CLASS-322-2R	c 07	N83-20944 *	#	US-PATENT-CLASS-324-158D	c 76	N76-20994 *	#	US-PATENT-CLASS-324-61	c 18	N71-27397 *	#
US-PATENT-CLASS-322-25	c 33	N84-33660 *	#	US-PATENT-CLASS-324-158D	c 44	N80-18551 *	#	US-PATENT-CLASS-324-61	c 14	N72-22442 *	#
US-PATENT-CLASS-322-29	c 33	N83-28319 *	#	US-PATENT-CLASS-324-158D	c 76	N85-35112 *	#	US-PATENT-CLASS-324-62R	c 14	N73-30388 *	#
US-PATENT-CLASS-322-29	c 33	N84-33660 *	#	US-PATENT-CLASS-324-158R	c 76	N85-30923 *	#	US-PATENT-CLASS-324-62	c 33	N80-32650 *	#
US-PATENT-CLASS-322-2	c 03	N72-23048 *	#	US-PATENT-CLASS-324-158R	c 76	N76-20994 *	#	US-PATENT-CLASS-324-64	c 15	N72-21464 *	#
US-PATENT-CLASS-322-32	c 09	N71-27364 *	#	US-PATENT-CLASS-324-158T	c 33	N85-30187 *	#	US-PATENT-CLASS-324-64	c 33	N80-32650 *	#
US-PATENT-CLASS-322-35	c 33	N83-28319 *	#	US-PATENT-CLASS-324-158T	c 15	N72-25457 *	#	US-PATENT-CLASS-324-65P	c 35	N85-34373 *	#
US-PATENT-CLASS-322-47	c 33	N83-28319 *	#	US-PATENT-CLASS-324-158T	c 35	N75-12270 *	#	US-PATENT-CLASS-324-65P	c 14	N73-20478 *	#

US-PATENT-CLASS-324-71.5	c 76	N85-30923 *	US-PATENT-CLASS-325-320	c 33	N74-12887 *	US-PATENT-CLASS-325-67	c 35	N75-21582 *
US-PATENT-CLASS-324-71CP	c 35	N76-22509 *	US-PATENT-CLASS-325-320	c 32	N74-20809 *	US-PATENT-CLASS-325-67	c 32	N79-11265 *
US-PATENT-CLASS-324-71CP	c 35	N82-11431 *	US-PATENT-CLASS-325-320	c 32	N74-20811 *	US-PATENT-CLASS-325-7	c 07	N73-20174 *
US-PATENT-CLASS-324-71R	c 09	N72-21246 *	US-PATENT-CLASS-325-320	c 33	N74-27705 *	US-PATENT-CLASS-325-8	c 07	N73-20174 *
US-PATENT-CLASS-324-71R	c 15	N72-21464 *	US-PATENT-CLASS-325-321	c 07	N72-20140 *	US-PATENT-CLASS-325-8	c 32	N80-20448 *
US-PATENT-CLASS-324-71	c 09	N71-24843 *	US-PATENT-CLASS-325-321	c 32	N74-20810 *	US-PATENT-CLASS-325-9	c 07	N73-20174 *
US-PATENT-CLASS-324-72.5	c 44	N74-27519 *	US-PATENT-CLASS-325-321	c 32	N76-16249 *	US-PATENT-CLASS-328-104	c 08	N72-22162 *
US-PATENT-CLASS-324-72.5	c 72	N84-28575 *	US-PATENT-CLASS-325-321	c 32	N77-10392 *	US-PATENT-CLASS-328-104	c 10	N73-13235 *
US-PATENT-CLASS-324-72	c 10	N71-19421 *	US-PATENT-CLASS-325-325	c 07	N71-24613 *	US-PATENT-CLASS-328-106	c 09	N72-22201 *
US-PATENT-CLASS-324-72	c 14	N71-23699 *	US-PATENT-CLASS-325-325	c 07	N72-25173 *	US-PATENT-CLASS-328-110	c 09	N71-12519 *
US-PATENT-CLASS-324-72	c 07	N73-20175 *	US-PATENT-CLASS-325-325	c 07	N73-13149 *	US-PATENT-CLASS-328-111	c 60	N77-12721 *
US-PATENT-CLASS-324-72	c 14	N73-32318 *	US-PATENT-CLASS-325-346	c 10	N73-16205 *	US-PATENT-CLASS-328-115	c 33	N75-18479 *
US-PATENT-CLASS-324-72	c 33	N74-27862 *	US-PATENT-CLASS-325-346	c 32	N74-30523 *	US-PATENT-CLASS-328-116	c 09	N69-39885 *
US-PATENT-CLASS-324-72	c 33	N75-26246 *	US-PATENT-CLASS-325-347	c 07	N71-33696 *	US-PATENT-CLASS-328-123	c 60	N74-12888 *
US-PATENT-CLASS-324-72	c 33	N77-10429 *	US-PATENT-CLASS-325-348	c 07	N71-33696 *	US-PATENT-CLASS-328-129	c 14	N73-30386 *
US-PATENT-CLASS-324-72	c 33	N79-10337 *	US-PATENT-CLASS-325-363	c 07	N71-11267 *	US-PATENT-CLASS-328-133	c 09	N71-24596 *
US-PATENT-CLASS-324-72	c 33	N79-14305 *	US-PATENT-CLASS-325-363	c 14	N71-26774 *	US-PATENT-CLASS-328-133	c 33	N75-26243 *
US-PATENT-CLASS-324-72	c 47	N82-24779 *	US-PATENT-CLASS-325-363	c 10	N72-28437 *	US-PATENT-CLASS-328-133	c 33	N77-13315 *
US-PATENT-CLASS-324-73AT	c 08	N72-22166 *	US-PATENT-CLASS-325-363	c 35	N80-18359 *	US-PATENT-CLASS-328-133	c 33	N79-11313 *
US-PATENT-CLASS-324-73AT	c 33	N81-26359 *	US-PATENT-CLASS-325-372	c 32	N71-27056 *	US-PATENT-CLASS-328-134	c 08	N71-18692 *
US-PATENT-CLASS-324-73R	c 33	N83-18996 *	US-PATENT-CLASS-325-373	c 07	N76-14321 *	US-PATENT-CLASS-328-134	c 14	N73-30386 *
US-PATENT-CLASS-324-73	c 14	N71-28991 *	US-PATENT-CLASS-325-388	c 35	N72-33146 *	US-PATENT-CLASS-328-134	c 33	N76-14321 *
US-PATENT-CLASS-324-74	c 35	N78-28411 *	US-PATENT-CLASS-325-388	c 07	N74-17885 *	US-PATENT-CLASS-328-134	c 33	N81-17349 *
US-PATENT-CLASS-324-77B	c 60	N75-13539 *	US-PATENT-CLASS-325-38	c 07	N72-20140 *	US-PATENT-CLASS-328-136	c 09	N72-25257 *
US-PATENT-CLASS-324-77B	c 32	N79-10262 *	US-PATENT-CLASS-325-39	c 07	N72-25173 *	US-PATENT-CLASS-328-142	c 09	N72-25257 *
US-PATENT-CLASS-324-77C	c 32	N79-10262 *	US-PATENT-CLASS-325-419	c 07	N72-11149 *	US-PATENT-CLASS-328-145	c 32	N72-21245 *
US-PATENT-CLASS-324-77G	c 08	N72-20177 *	US-PATENT-CLASS-325-419	c 10	N73-16205 *	US-PATENT-CLASS-328-145	c 09	N72-21245 *
US-PATENT-CLASS-324-77H	c 35	N75-21582 *	US-PATENT-CLASS-325-419	c 07	N73-28012 *	US-PATENT-CLASS-328-145	c 33	N78-32339 *
US-PATENT-CLASS-324-77K	c 35	N79-10391 *	US-PATENT-CLASS-325-419	c 32	N74-20810 *	US-PATENT-CLASS-328-150	c 33	N78-18308 *
US-PATENT-CLASS-324-77R	c 10	N73-25240 *	US-PATENT-CLASS-325-419	c 32	N80-18253 *	US-PATENT-CLASS-328-151	c 09	N72-22200 *
US-PATENT-CLASS-324-77R	c 47	N82-24779 *	US-PATENT-CLASS-325-419	c 10	N71-26577 *	US-PATENT-CLASS-328-151	c 33	N75-18479 *
US-PATENT-CLASS-324-77	c 09	N71-10659 *	US-PATENT-CLASS-325-420	c 32	N79-10263 *	US-PATENT-CLASS-328-154	c 33	N81-27396 *
US-PATENT-CLASS-324-77	c 07	N71-24622 *	US-PATENT-CLASS-325-422	c 07	N73-30113 *	US-PATENT-CLASS-328-154	c 08	N72-21612 *
US-PATENT-CLASS-324-78D	c 09	N72-25257 *	US-PATENT-CLASS-325-423	c 32	N73-30113 *	US-PATENT-CLASS-328-155	c 33	N73-13235 *
US-PATENT-CLASS-324-78D	c 52	N74-12778 *	US-PATENT-CLASS-325-42	c 32	N74-20809 *	US-PATENT-CLASS-328-155	c 10	N72-16172 *
US-PATENT-CLASS-324-78E	c 14	N73-24473 *	US-PATENT-CLASS-325-42	c 07	N71-11266 *	US-PATENT-CLASS-328-155	c 09	N72-33204 *
US-PATENT-CLASS-324-78J	c 10	N73-25240 *	US-PATENT-CLASS-325-445	c 32	N76-21366 *	US-PATENT-CLASS-328-155	c 33	N74-17927 *
US-PATENT-CLASS-324-78J	c 33	N75-19515 *	US-PATENT-CLASS-325-446	c 07	N72-20141 *	US-PATENT-CLASS-328-161	c 32	N74-19788 *
US-PATENT-CLASS-324-79D	c 14	N73-30386 *	US-PATENT-CLASS-325-45	c 09	N69-24324 *	US-PATENT-CLASS-328-163	c 33	N77-17354 *
US-PATENT-CLASS-324-79D	c 33	N76-16331 *	US-PATENT-CLASS-325-473	c 07	N73-25160 *	US-PATENT-CLASS-328-164	c 07	N79-10338 *
US-PATENT-CLASS-324-79R	c 14	N72-27408 *	US-PATENT-CLASS-325-473	c 32	N71-33696 *	US-PATENT-CLASS-328-165	c 09	N71-24806 *
US-PATENT-CLASS-324-79R	c 33	N84-16454 *	US-PATENT-CLASS-325-478	c 32	N77-30308 *	US-PATENT-CLASS-328-166	c 07	N71-33696 *
US-PATENT-CLASS-324-83A	c 10	N72-20224 *	US-PATENT-CLASS-325-480	c 32	N77-10392 *	US-PATENT-CLASS-328-166	c 10	N72-20223 *
US-PATENT-CLASS-324-83A	c 33	N84-16454 *	US-PATENT-CLASS-325-480	c 07	N71-33696 *	US-PATENT-CLASS-328-167	c 33	N82-29539 *
US-PATENT-CLASS-324-83D	c 33	N79-10338 *	US-PATENT-CLASS-325-482	c 10	N73-12244 *	US-PATENT-CLASS-328-167	c 10	N71-22986 *
US-PATENT-CLASS-324-83Q	c 35	N74-21017 *	US-PATENT-CLASS-325-492	c 07	N71-33696 *	US-PATENT-CLASS-328-167	c 08	N71-29034 *
US-PATENT-CLASS-324-83Q	c 33	N75-26243 *	US-PATENT-CLASS-325-492	c 09	N72-17153 *	US-PATENT-CLASS-328-167	c 10	N72-17171 *
US-PATENT-CLASS-324-83R	c 33	N84-16454 *	US-PATENT-CLASS-325-492	c 09	N72-22202 *	US-PATENT-CLASS-328-167	c 09	N72-21245 *
US-PATENT-CLASS-324-85	c 10	N72-20224 *	US-PATENT-CLASS-325-4	c 32	N71-16088 *	US-PATENT-CLASS-328-167	c 08	N73-20231 *
US-PATENT-CLASS-324-85	c 33	N79-10338 *	US-PATENT-CLASS-325-4	c 07	N71-19773 *	US-PATENT-CLASS-328-167	c 33	N73-26175 *
US-PATENT-CLASS-324-92	c 26	N72-25680 *	US-PATENT-CLASS-325-4	c 07	N71-24621 *	US-PATENT-CLASS-328-167	c 33	N82-24417 *
US-PATENT-CLASS-324-95	c 10	N71-12554 *	US-PATENT-CLASS-325-4	c 07	N72-11419 *	US-PATENT-CLASS-328-168	c 33	N85-29145 *
US-PATENT-CLASS-324-95	c 14	N73-30388 *	US-PATENT-CLASS-325-4	c 07	N72-12080 *	US-PATENT-CLASS-328-168	c 32	N74-19788 *
US-PATENT-CLASS-324-96	c 26	N72-25680 *	US-PATENT-CLASS-325-4	c 07	N72-20140 *	US-PATENT-CLASS-328-171	c 10	N72-20223 *
US-PATENT-CLASS-324-96	c 33	N79-10337 *	US-PATENT-CLASS-325-4	c 07	N72-25171 *	US-PATENT-CLASS-328-172	c 32	N74-19788 *
US-PATENT-CLASS-324-99D	c 33	N79-22373 *	US-PATENT-CLASS-325-4	c 07	N73-20174 *	US-PATENT-CLASS-328-172	c 33	N78-17294 *
US-PATENT-CLASS-325-10	c 07	N72-12081 *	US-PATENT-CLASS-325-4	c 15	N75-13007 *	US-PATENT-CLASS-328-186	c 09	N72-17157 *
US-PATENT-CLASS-325-113	c 07	N71-24840 *	US-PATENT-CLASS-325-4	c 32	N75-26195 *	US-PATENT-CLASS-328-187	c 10	N73-20254 *
US-PATENT-CLASS-325-113	c 07	N73-25160 *	US-PATENT-CLASS-325-4	c 32	N77-20289 *	US-PATENT-CLASS-328-189	c 14	N72-27408 *
US-PATENT-CLASS-325-113	c 52	N74-26625 *	US-PATENT-CLASS-325-4	c 32	N79-11265 *	US-PATENT-CLASS-328-190	c 33	N76-14371 *
US-PATENT-CLASS-325-114	c 07	N72-25171 *	US-PATENT-CLASS-325-4	c 32	N80-20448 *	US-PATENT-CLASS-328-192	c 60	N81-15706 *
US-PATENT-CLASS-325-114	c 03	N76-32140 *	US-PATENT-CLASS-325-4	c 07	N72-25173 *	US-PATENT-CLASS-328-1	c 23	N71-16099 *
US-PATENT-CLASS-325-115	c 03	N76-32140 *	US-PATENT-CLASS-325-4	c 07	N72-25173 *	US-PATENT-CLASS-328-1	c 10	N71-19472 *
US-PATENT-CLASS-325-118	c 17	N78-17140 *	US-PATENT-CLASS-325-4	c 07	N72-11149 *	US-PATENT-CLASS-328-1	c 09	N72-22200 *
US-PATENT-CLASS-325-12	c 07	N73-20174 *	US-PATENT-CLASS-325-4	c 07	N72-20140 *	US-PATENT-CLASS-328-207	c 09	N71-28468 *
US-PATENT-CLASS-325-139	c 07	N73-25160 *	US-PATENT-CLASS-325-4	c 07	N72-25173 *	US-PATENT-CLASS-328-207	c 10	N71-28860 *
US-PATENT-CLASS-325-13	c 07	N72-12081 *	US-PATENT-CLASS-325-4	c 32	N78-15323 *	US-PATENT-CLASS-328-207	c 09	N71-29139 *
US-PATENT-CLASS-325-141	c 07	N72-25173 *	US-PATENT-CLASS-325-4	c 32	N79-20296 *	US-PATENT-CLASS-328-207	c 10	N72-20221 *
US-PATENT-CLASS-325-141	c 52	N74-26625 *	US-PATENT-CLASS-325-4	c 07	N73-20174 *	US-PATENT-CLASS-328-20	c 10	N72-20223 *
US-PATENT-CLASS-325-143	c 05	N71-12342 *	US-PATENT-CLASS-325-4	c 08	N71-19763 *	US-PATENT-CLASS-328-230	c 35	N84-12244 *
US-PATENT-CLASS-325-145	c 32	N77-14292 *	US-PATENT-CLASS-325-4	c 32	N73-16121 *	US-PATENT-CLASS-328-233	c 10	N71-22962 *
US-PATENT-CLASS-325-148	c 32	N74-19790 *	US-PATENT-CLASS-325-4	c 07	N75-24981 *	US-PATENT-CLASS-328-233	c 75	N75-13625 *
US-PATENT-CLASS-325-14	c 17	N76-21250 *	US-PATENT-CLASS-325-4	c 07	N73-25160 *	US-PATENT-CLASS-328-233	c 37	N78-17386 *
US-PATENT-CLASS-325-14	c 32	N80-20448 *	US-PATENT-CLASS-325-4	c 08	N72-25208 *	US-PATENT-CLASS-328-24	c 09	N72-33204 *
US-PATENT-CLASS-325-151.11	c 08	N71-27057 *	US-PATENT-CLASS-325-4	c 44	N74-19870 *	US-PATENT-CLASS-328-37	c 08	N71-12503 *
US-PATENT-CLASS-325-159	c 33	N78-32340 *	US-PATENT-CLASS-325-4	c 10	N71-19467 *	US-PATENT-CLASS-328-37	c 10	N73-20254 *
US-PATENT-CLASS-325-163	c 07	N71-23405 *	US-PATENT-CLASS-325-4	c 32	N78-15323 *	US-PATENT-CLASS-328-37	c 33	N76-14373 *
US-PATENT-CLASS-325-16	c 07	N71-27056 *	US-PATENT-CLASS-325-4	c 32	N79-20296 *	US-PATENT-CLASS-328-37	c 33	N81-17349 *
US-PATENT-CLASS-325-17	c 07	N73-20174 *	US-PATENT-CLASS-325-4	c 32	N72-25173 *	US-PATENT-CLASS-328-38	c 10	N72-20223 *
US-PATENT-CLASS-325-185	c 07	N71-28430 *	US-PATENT-CLASS-325-4	c 07	N70-41331 *	US-PATENT-CLASS-328-38	c 33	N77-24375 *
US-PATENT-CLASS-325-186	c 03	N76-32140 *	US-PATENT-CLASS-325-4	c 07	N70-41372 *	US-PATENT-CLASS-328-38	c 33	N77-24375 *
US-PATENT-CLASS-325-187	c 33	N78-32340 *	US-PATENT-CLASS-325-4	c 32	N71-11284 *	US-PATENT-CLASS-328-41	c 33	N75-31330 *
US-PATENT-CLASS-325-23	c 07	N71-27056 *	US-PATENT-CLASS-325-4	c 32	N77-30308 *	US-PATENT-CLASS-328-42	c 08	N71-19432 *
US-PATENT-CLASS-325-29	c 09	N72-22202 *	US-PATENT-CLASS-325-4	c 17	N78-17140 *	US-PATENT-CLASS-328-44	c 08	N71-29034 *
US-PATENT-CLASS-325-302	c 07	N72-25173 *	US-PATENT-CLASS-325-4	c 07	N71-26292 *	US-PATENT-CLASS-328-48	c 14	N73-30386 *
US-PATENT-CLASS-325-304	c 32	N76-14321 *	US-PATENT-CLASS-325-4	c 10	N73-25241 *	US-PATENT-CLASS-328-48	c 33	N74-10223 *
US-PATENT-CLASS-325-305	c 07	N71-10775 *						
US-PATENT-CLASS-325-305	c 10	N71-20841 *						
US-PATENT-CLASS-325-305	c 07	N71-23098 *						
US-PATENT-CLASS-325-305	c 32	N80-18253 *						
US-PATENT-CLASS-325-306	c 32	N76-14321 *						
US-PATENT-CLASS-325-307	c 32	N80-18253 *						
US-PATENT-CLASS-325-30	c 32	N74-26654 *						
US-PATENT-CLASS-325-30	c 32	N75-24981 *						
US-PATENT-CLASS-325-30	c 32	N77-30308 *						
US-PATENT-CLASS-325-31	c 07	N71-20791 *						

REPORT NUMBER INDEX

US-PATENT-CLASS-331-64

US-PATENT-CLASS-328-48	c 60	N81-15706 *	#	US-PATENT-CLASS-330-107	c 33	N84-14421 *	#	US-PATENT-CLASS-330-59	c 33	N74-21851 *	#
US-PATENT-CLASS-328-49	c 10	N71-27137 *	#	US-PATENT-CLASS-330-109	c 10	N72-11256 *	#	US-PATENT-CLASS-330-59	c 33	N77-14335 *	#
US-PATENT-CLASS-328-55	c 33	N81-17939 *	#	US-PATENT-CLASS-330-109	c 10	N72-17171 *	#	US-PATENT-CLASS-330-5	c 33	N75-27251 *	#
US-PATENT-CLASS-328-58	c 08	N71-29138 *	#	US-PATENT-CLASS-330-109	c 10	N72-17172 *	#	US-PATENT-CLASS-330-61	c 09	N71-23097 *	#
US-PATENT-CLASS-328-58	c 33	N74-32711 *	#	US-PATENT-CLASS-330-109	c 09	N73-20231 *	#	US-PATENT-CLASS-330-63	c 33	N75-30428 *	#
US-PATENT-CLASS-328-58	c 33	N75-18479 *	#	US-PATENT-CLASS-330-109	c 33	N82-24417 *	#	US-PATENT-CLASS-330-69	c 33	N74-32712 *	#
US-PATENT-CLASS-328-59	c 33	N75-19515 *	#	US-PATENT-CLASS-330-109	c 33	N84-14421 *	#	US-PATENT-CLASS-330-69	c 33	N75-19518 *	#
US-PATENT-CLASS-328-61	c 09	N71-23525 *	#	US-PATENT-CLASS-330-109	c 33	N84-22887 *	#	US-PATENT-CLASS-330-6	c 35	N75-13213 *	#
US-PATENT-CLASS-328-61	c 10	N73-20254 *	#	US-PATENT-CLASS-330-110	c 33	N74-14939 *	#	US-PATENT-CLASS-330-70CR	c 10	N73-27171 *	#
US-PATENT-CLASS-328-61	c 35	N75-30504 *	#	US-PATENT-CLASS-330-110	c 33	N83-36356 *	#	US-PATENT-CLASS-330-70R	c 09	N72-21245 *	#
US-PATENT-CLASS-328-62	c 35	N75-30504 *	#	US-PATENT-CLASS-330-11	c 09	N71-13531 *	#	US-PATENT-CLASS-330-80T	c 09	N73-20232 *	#
US-PATENT-CLASS-328-63	c 33	N76-14371 *	#	US-PATENT-CLASS-330-11	c 10	N71-33129 *	#	US-PATENT-CLASS-330-85	c 09	N72-21245 *	#
US-PATENT-CLASS-328-63	c 33	N77-24375 *	#	US-PATENT-CLASS-330-11	c 09	N72-17156 *	#	US-PATENT-CLASS-330-86	c 09	N73-20231 *	#
US-PATENT-CLASS-328-67	c 10	N71-28960 *	#	US-PATENT-CLASS-330-124	c 07	N71-28430 *	#	US-PATENT-CLASS-330-86	c 33	N75-19518 *	#
US-PATENT-CLASS-328-67	c 33	N82-24418 *	#	US-PATENT-CLASS-330-12	c 10	N72-33230 *	#	US-PATENT-CLASS-330-86	c 33	N79-22373 *	#
US-PATENT-CLASS-328-71	c 60	N81-15706 *	#	US-PATENT-CLASS-330-13	c 10	N71-26415 *	#	US-PATENT-CLASS-330-8	c 33	N81-24338 *	#
US-PATENT-CLASS-328-92	c 10	N71-28860 *	#	US-PATENT-CLASS-330-13	c 33	N75-30428 *	#	US-PATENT-CLASS-330-94	c 10	N72-17172 *	#
US-PATENT-CLASS-329-104	c 07	N71-11282 *	#	US-PATENT-CLASS-330-14	c 09	N70-35440 *	#	US-PATENT-CLASS-330-9	c 33	N74-14939 *	#
US-PATENT-CLASS-329-104	c 33	N74-12887 *	#	US-PATENT-CLASS-330-14	c 33	N77-14335 *	#	US-PATENT-CLASS-331-DIG.1	c 36	N75-30524 *	#
US-PATENT-CLASS-329-104	c 32	N77-24331 *	#	US-PATENT-CLASS-330-16	c 10	N71-33129 *	#	US-PATENT-CLASS-331-DIG.2	c 33	N81-33405 *	#
US-PATENT-CLASS-329-107	c 35	N81-19427 *	#	US-PATENT-CLASS-330-176	c 10	N72-17171 *	#	US-PATENT-CLASS-331-1-A	c 33	N86-20668 *	#
US-PATENT-CLASS-329-119	c 33	N77-21314 *	#	US-PATENT-CLASS-330-18	c 09	N72-17155 *	#	US-PATENT-CLASS-331-1A	c 33	N74-10194 *	#
US-PATENT-CLASS-329-120	c 07	N73-30113 *	#	US-PATENT-CLASS-330-18	c 33	N75-30428 *	#	US-PATENT-CLASS-331-1A	c 33	N75-25040 *	#
US-PATENT-CLASS-329-122	c 10	N71-19469 *	#	US-PATENT-CLASS-330-200	c 07	N71-28430 *	#	US-PATENT-CLASS-331-1A	c 33	N79-11313 *	#
US-PATENT-CLASS-329-122	c 07	N73-28012 *	#	US-PATENT-CLASS-330-207A	c 33	N75-30429 *	#	US-PATENT-CLASS-331-107A	c 71	N77-26919 *	#
US-PATENT-CLASS-329-122	c 33	N74-12887 *	#	US-PATENT-CLASS-330-20	c 09	N73-20232 *	#	US-PATENT-CLASS-331-107G	c 26	N72-25679 *	#
US-PATENT-CLASS-329-122	c 32	N74-20811 *	#	US-PATENT-CLASS-330-22	c 09	N71-10798 *	#	US-PATENT-CLASS-331-107G	c 09	N73-15235 *	#
US-PATENT-CLASS-329-122	c 33	N77-14334 *	#	US-PATENT-CLASS-330-22	c 09	N73-20232 *	#	US-PATENT-CLASS-331-107	c 09	N71-18721 *	#
US-PATENT-CLASS-329-122	c 32	N77-24331 *	#	US-PATENT-CLASS-330-24	c 10	N71-33129 *	#	US-PATENT-CLASS-331-107	c 26	N72-21701 *	#
US-PATENT-CLASS-329-122	c 32	N79-14267 *	#	US-PATENT-CLASS-330-24	c 33	N75-30429 *	#	US-PATENT-CLASS-331-108A	c 33	N74-20862 *	#
US-PATENT-CLASS-329-122	c 33	N81-33405 *	#	US-PATENT-CLASS-330-258	c 33	N86-20670 *	#	US-PATENT-CLASS-331-108D	c 33	N86-32624 *	#
US-PATENT-CLASS-329-124	c 33	N77-14334 *	#	US-PATENT-CLASS-330-261	c 33	N86-20670 *	#	US-PATENT-CLASS-331-109	c 10	N71-27271 *	#
US-PATENT-CLASS-329-124	c 32	N78-32338 *	#	US-PATENT-CLASS-330-26	c 10	N72-17172 *	#	US-PATENT-CLASS-331-109	c 33	N74-26732 *	#
US-PATENT-CLASS-329-124	c 32	N84-27952 *	#	US-PATENT-CLASS-330-27R	c 10	N72-31273 *	#	US-PATENT-CLASS-331-10	c 07	N72-11550 *	#
US-PATENT-CLASS-329-126	c 33	N74-12887 *	#	US-PATENT-CLASS-330-277	c 33	N84-22887 *	#	US-PATENT-CLASS-331-111	c 10	N71-23669 *	#
US-PATENT-CLASS-329-140	c 07	N71-24583 *	#	US-PATENT-CLASS-330-282	c 33	N83-36356 *	#	US-PATENT-CLASS-331-111	c 09	N72-21247 *	#
US-PATENT-CLASS-329-145	c 07	N71-33696 *	#	US-PATENT-CLASS-330-289	c 33	N83-34191 *	#	US-PATENT-CLASS-331-113A	c 09	N72-25253 *	#
US-PATENT-CLASS-329-161	c 07	N72-20141 *	#	US-PATENT-CLASS-330-289	c 33	N84-16454 *	#	US-PATENT-CLASS-331-113A	c 09	N72-25254 *	#
US-PATENT-CLASS-329-162	c 07	N72-20141 *	#	US-PATENT-CLASS-330-28	c 33	N74-21851 *	#	US-PATENT-CLASS-331-113A	c 33	N74-10149 *	#
US-PATENT-CLASS-329-166	c 33	N75-19520 *	#	US-PATENT-CLASS-330-28	c 33	N77-14335 *	#	US-PATENT-CLASS-331-113R	c 33	N82-18494 *	#
US-PATENT-CLASS-329-166	c 33	N75-25041 *	#	US-PATENT-CLASS-330-290	c 33	N82-24417 *	#	US-PATENT-CLASS-331-113	c 09	N70-38995 *	#
US-PATENT-CLASS-329-204	c 33	N75-19520 *	#	US-PATENT-CLASS-330-294	c 33	N82-24417 *	#	US-PATENT-CLASS-331-113	c 10	N71-19418 *	#
US-PATENT-CLASS-329-204	c 33	N75-25041 *	#	US-PATENT-CLASS-330-294	c 33	N84-22887 *	#	US-PATENT-CLASS-331-113	c 09	N71-19470 *	#
US-PATENT-CLASS-329-205	c 33	N77-21314 *	#	US-PATENT-CLASS-330-29	c 09	N69-24430 *	#	US-PATENT-CLASS-331-113	c 10	N71-25882 *	#
US-PATENT-CLASS-329-205	c 33	N74-17930 *	#	US-PATENT-CLASS-330-29	c 10	N72-28241 *	#	US-PATENT-CLASS-331-113	c 10	N71-25950 *	#
US-PATENT-CLASS-329-50	c 35	N81-19427 *	#	US-PATENT-CLASS-330-2	c 09	N69-39986 *	#	US-PATENT-CLASS-331-113	c 09	N71-28810 *	#
US-PATENT-CLASS-33.8UB	c 27	N81-15104 *	#	US-PATENT-CLASS-330-2	c 09	N72-25250 *	#	US-PATENT-CLASS-331-114	c 33	N77-17351 *	#
US-PATENT-CLASS-33-DIG.13	c 35	N75-12273 *	#	US-PATENT-CLASS-330-2	c 33	N78-10375 *	#	US-PATENT-CLASS-331-115	c 10	N72-32320 *	#
US-PATENT-CLASS-33-DIG.3	c 04	N84-14132 *	#	US-PATENT-CLASS-330-2	c 33	N79-22373 *	#	US-PATENT-CLASS-331-115	c 33	N74-20862 *	#
US-PATENT-CLASS-33-1G	c 37	N76-21554 *	#	US-PATENT-CLASS-330-30D	c 10	N72-20221 *	#	US-PATENT-CLASS-331-116FE	c 33	N86-19515 *	#
US-PATENT-CLASS-33-1M	c 35	N74-32877 *	#	US-PATENT-CLASS-330-30D	c 09	N73-20232 *	#	US-PATENT-CLASS-331-116R	c 10	N72-32320 *	#
US-PATENT-CLASS-33-1N	c 43	N79-26439 *	#	US-PATENT-CLASS-330-302	c 33	N85-29145 *	#	US-PATENT-CLASS-331-116R	c 33	N74-20862 *	#
US-PATENT-CLASS-33-1Q	c 43	N79-26439 *	#	US-PATENT-CLASS-330-306	c 33	N82-24417 *	#	US-PATENT-CLASS-331-116R	c 33	N86-32624 *	#
US-PATENT-CLASS-33-1SA	c 14	N72-28436 *	#	US-PATENT-CLASS-330-306	c 33	N85-29145 *	#	US-PATENT-CLASS-331-117FE	c 33	N86-19515 *	#
US-PATENT-CLASS-33-1SA	c 19	N74-21015 *	#	US-PATENT-CLASS-330-30	c 09	N71-19466 *	#	US-PATENT-CLASS-331-117R	c 33	N74-26732 *	#
US-PATENT-CLASS-33-125R	c 52	N80-27072 *	#	US-PATENT-CLASS-330-30	c 09	N71-19516 *	#	US-PATENT-CLASS-331-117	c 10	N71-27271 *	#
US-PATENT-CLASS-33-125	c 14	N81-11364 *	#	US-PATENT-CLASS-330-30	c 09	N71-27016 *	#	US-PATENT-CLASS-331-117	c 09	N72-22203 *	#
US-PATENT-CLASS-33-143C	c 52	N82-22875 *	#	US-PATENT-CLASS-330-310	c 33	N83-34191 *	#	US-PATENT-CLASS-331-12	c 33	N78-32338 *	#
US-PATENT-CLASS-33-147	c 15	N71-19489 *	#	US-PATENT-CLASS-330-311	c 33	N86-20670 *	#	US-PATENT-CLASS-331-12	c 10	N73-32145 *	#
US-PATENT-CLASS-33-148D	c 35	N75-19615 *	#	US-PATENT-CLASS-330-31	c 10	N71-26331 *	#	US-PATENT-CLASS-331-14	c 09	N72-21247 *	#
US-PATENT-CLASS-33-149	c 14	N71-17657 *	#	US-PATENT-CLASS-330-31	c 10	N72-17172 *	#	US-PATENT-CLASS-331-14	c 33	N74-10194 *	#
US-PATENT-CLASS-33-15A	c 08	N72-11172 *	#	US-PATENT-CLASS-330-35	c 09	N72-17156 *	#	US-PATENT-CLASS-331-14	c 33	N79-11313 *	#
US-PATENT-CLASS-33-155R	c 33	N76-19338 *	#	US-PATENT-CLASS-330-35	c 09	N73-20232 *	#	US-PATENT-CLASS-331-159	c 33	N74-20862 *	#
US-PATENT-CLASS-33-169F	c 35	N84-28018 *	#	US-PATENT-CLASS-330-35	c 33	N74-14939 *	#	US-PATENT-CLASS-331-177R	c 09	N73-15235 *	#
US-PATENT-CLASS-33-174B	c 37	N76-21554 *	#	US-PATENT-CLASS-330-4.3	c 16	N73-32391 *	#	US-PATENT-CLASS-331-177V	c 33	N77-17351 *	#
US-PATENT-CLASS-33-174D	c 33	N76-19338 *	#	US-PATENT-CLASS-330-4.3	c 36	N75-19655 *	#	US-PATENT-CLASS-331-177	c 10	N71-27271 *	#
US-PATENT-CLASS-33-174L	c 43	N79-26439 *	#	US-PATENT-CLASS-330-4.3	c 36	N75-27364 *	#	US-PATENT-CLASS-331-178	c 33	N74-10194 *	#
US-PATENT-CLASS-33-174S	c 14	N72-22445 *	#	US-PATENT-CLASS-330-4.3	c 36	N75-32441 *	#	US-PATENT-CLASS-331-17	c 10	N71-20852 *	#
US-PATENT-CLASS-33-174	c 14	N69-21363 *	#	US-PATENT-CLASS-330-4.3	c 36	N76-29575 *	#	US-PATENT-CLASS-331-17	c 10	N73-27171 *	#
US-PATENT-CLASS-33-174	c 14	N71-17658 *	#	US-PATENT-CLASS-330-4.3	c 36	N77-25502 *	#	US-PATENT-CLASS-331-17	c 33	N74-10194 *	#
US-PATENT-CLASS-33-174	c 14	N71-24693 *	#	US-PATENT-CLASS-330-4.3	c 73	N78-19920 *	#	US-PATENT-CLASS-331-183	c 33	N74-26732 *	#
US-PATENT-CLASS-33-180R	c 35	N75-12273 *	#	US-PATENT-CLASS-330-4.3	c 36	N82-28616 *	#	US-PATENT-CLASS-331-18	c 10	N71-26374 *	#
US-PATENT-CLASS-33-189	c 15	N71-26145 *	#	US-PATENT-CLASS-330-4.5	c 09	N72-25258 *	#	US-PATENT-CLASS-331-18	c 33	N74-10194 *	#
US-PATENT-CLASS-33-1	c 14	N70-36907 *	#	US-PATENT-CLASS-330-4.9	c 33	N74-32660 *	#	US-PATENT-CLASS-331-18	c 33	N75-25040 *	#
US-PATENT-CLASS-33-204C	c 08	N72-11172 *	#	US-PATENT-CLASS-330-40	c 07	N71-28430 *	#	US-PATENT-CLASS-331-23	c 09	N72-21247 *	#
US-PATENT-CLASS-33-207	c 15	N71-15571 *	#	US-PATENT-CLASS-330-40	c 09	N72-17155 *	#	US-PATENT-CLASS-331-23	c 33	N77-14334 *	#
US-PATENT-CLASS-33-23R	c 35	N74-32877 *	#	US-PATENT-CLASS-330-40	c 09	N73-20232 *	#	US-PATENT-CLASS-331-23	c 33	N79-11313 *	#
US-PATENT-CLASS-33-268	c 89	N74-30886 *	#	US-PATENT-CLASS-330-40	c 33	N75-30428 *	#	US-PATENT-CLASS-331-25	c 10	N73-27171 *	#
US-PATENT-CLASS-33-285	c 36	N74-21091 *	#	US-PATENT-CLASS-330-43	c 33	N79-10339 *	#	US-PATENT-CLASS-331-25	c 33	N75-25040 *	#
US-PATENT-CLASS-33-286	c 18	N76-14186 *	#	US-PATENT-CLASS-330-43	c 33	N82-26568 *	#	US-PATENT-CLASS-331-27	c 33	N79-11313 *	#
US-PATENT-CLASS-33-293	c 35	N84-16523 *	#	US-PATENT-CLASS-330-43	c 33	N86-21742 *	#	US-PATENT-CLASS-331-2	c 33	N86-20668 *	#
US-PATENT-CLASS-33-31	c 14	N71-21079 *	#	US-PATENT-CLASS-330-49	c 14	N70-35520 *	#	US-PATENT-CLASS-331-30	c 09	N72-21247 *	#
US-PATENT-CLASS-33-322	c 06	N83-38882 *	#	US-PATENT-CLASS-330-4	c 16	N71-15550 *	#	US-PATENT-CLASS-331-31	c 33	N85-29143 *	#
US-PATENT-CLASS-33-348	c 04	N84-14132 *	#	US-PATENT-CLASS-330-4	c 16	N71-24831 *	#	US-PATENT-CLASS-331-34	c 07	N72-11550 *	#
US-PATENT-CLASS-33-356	c 04	N76-20114 *	#	US-PATENT-CLASS-330-4	c 16	N72-28521 *	#	US-PATENT-CLASS-331-36C	c 33	N77-14334 *	#
US-PATENT-CLASS-33-356	c 04	N77-19056 *	#	US-PATENT-CLASS-330-4	c 36	N75-15029 *	#	US-PATENT-CLASS-331-36C	c 33	N85-29143 *	#
US-PATENT-CLASS-33-356	c 04	N84-14132 *	#	US-PATENT-CLASS-330-4	c 36	N76-31512 *	#	US-PATENT-CLASS-331-3	c 35	N76-15436 *	#
US-PATENT-CLASS-33-361	c 04	N84-14132 *	#	US-PATENT-CLASS-330-4	c 36	N78-18410 *	#	US-PATENT-CLASS-331-3	c 33	N85-29143 *	#
US-PATENT-CLASS-33-366											

US-PATENT-CLASS-331-65	c 35	N75-29380 *	#	US-PATENT-CLASS-332-7.51	c 07	N73-26119 *	#	US-PATENT-CLASS-335-300	c 09	N70-41929 *	#
US-PATENT-CLASS-331-65	c 33	N80-23559 *	#	US-PATENT-CLASS-332-7.51	c 33	N74-20859 *	#	US-PATENT-CLASS-336-DIG.1	c 26	N73-26752 *	#
US-PATENT-CLASS-331-66	c 07	N72-11150 *	#	US-PATENT-CLASS-332-7.51	c 36	N76-18427 *	#	US-PATENT-CLASS-336-DIG.1	c 33	N79-17133 *	#
US-PATENT-CLASS-331-66	c 33	N86-32624 *	#	US-PATENT-CLASS-332-7.5	c 36	N75-15029 *	#	US-PATENT-CLASS-336-120	c 33	N82-24422 *	#
US-PATENT-CLASS-331-78	c 09	N71-23598 *	#	US-PATENT-CLASS-332-7.5	c 36	N78-18410 *	#	US-PATENT-CLASS-336-178	c 09	N72-17154 *	#
US-PATENT-CLASS-331-78	c 08	N73-12175 *	#	US-PATENT-CLASS-332-7.5	c 36	N83-35350 *	#	US-PATENT-CLASS-336-198	c 09	N72-27226 *	#
US-PATENT-CLASS-331-78	c 33	N75-19515 *	#	US-PATENT-CLASS-332-751	c 36	N80-16321 *	#	US-PATENT-CLASS-336-198	c 33	N85-29146 *	#
US-PATENT-CLASS-331-7	c 07	N72-11150 *	#	US-PATENT-CLASS-332-9R	c 08	N71-29138 *	#	US-PATENT-CLASS-336-200	c 26	N73-26752 *	#
US-PATENT-CLASS-331-82	c 33	N84-27974 *	#	US-PATENT-CLASS-332-9	c 07	N71-12390 *	#	US-PATENT-CLASS-336-210	c 33	N74-17928 *	#
US-PATENT-CLASS-331-90	c 09	N73-15235 *	#	US-PATENT-CLASS-333-104	c 33	N82-16340 *	#	US-PATENT-CLASS-336-220	c 09	N72-27226 *	#
US-PATENT-CLASS-331-94.1	c 33	N85-29143 *	#	US-PATENT-CLASS-333-12	c 32	N80-32605 *	#	US-PATENT-CLASS-336-60	c 09	N72-27226 *	#
US-PATENT-CLASS-331-94.5A	c 16	N73-33397 *	#	US-PATENT-CLASS-333-12	c 33	N81-27397 *	#	US-PATENT-CLASS-336-83	c 33	N82-24422 *	#
US-PATENT-CLASS-331-94.5A	c 36	N75-27364 *	#	US-PATENT-CLASS-333-14	c 32	N74-19788 *	#	US-PATENT-CLASS-336-84C	c 33	N85-29146 *	#
US-PATENT-CLASS-331-94.5C	c 36	N75-31427 *	#	US-PATENT-CLASS-333-162	c 33	N84-16452 *	#	US-PATENT-CLASS-337-114	c 09	N71-29035 *	#
US-PATENT-CLASS-331-94.5C	c 36	N76-18428 *	#	US-PATENT-CLASS-333-162	c 33	N84-27974 *	#	US-PATENT-CLASS-337-121	c 09	N71-29035 *	#
US-PATENT-CLASS-331-94.5C	c 36	N76-24553 *	#	US-PATENT-CLASS-333-162	c 33	N74-17927 *	#	US-PATENT-CLASS-337-140	c 37	N86-19604 *	#
US-PATENT-CLASS-331-94.5C	c 36	N80-14384 *	#	US-PATENT-CLASS-333-17R	c 33	N78-32340 *	#	US-PATENT-CLASS-337-14	c 31	N83-31897 *	#
US-PATENT-CLASS-331-94.5C	c 36	N82-13415 *	#	US-PATENT-CLASS-333-17	c 44	N74-19870 *	#	US-PATENT-CLASS-337-334	c 37	N77-19458 *	#
US-PATENT-CLASS-331-94.5D	c 33	N74-20859 *	#	US-PATENT-CLASS-333-18	c 32	N74-17927 *	#	US-PATENT-CLASS-337-354	c 15	N72-12409 *	#
US-PATENT-CLASS-331-94.5D	c 36	N77-19416 *	#	US-PATENT-CLASS-333-204	c 33	N76-21366 *	#	US-PATENT-CLASS-337-359	c 15	N72-12409 *	#
US-PATENT-CLASS-331-94.5D	c 36	N77-25502 *	#	US-PATENT-CLASS-333-20	c 33	N81-17348 *	#	US-PATENT-CLASS-337-75	c 15	N72-12409 *	#
US-PATENT-CLASS-331-94.5D	c 35	N77-27366 *	#	US-PATENT-CLASS-333-21A	c 07	N82-24418 *	#	US-PATENT-CLASS-337	c 25	N79-28253 *	#
US-PATENT-CLASS-331-94.5D	c 36	N82-13415 *	#	US-PATENT-CLASS-333-21R	c 33	N71-33606 *	#	US-PATENT-CLASS-338-100	c 35	N78-17359 *	#
US-PATENT-CLASS-331-94.5G	c 36	N75-31426 *	#	US-PATENT-CLASS-333-21R	c 33	N75-30430 *	#	US-PATENT-CLASS-338-114	c 52	N74-27864 *	#
US-PATENT-CLASS-331-94.5G	c 36	N77-19416 *	#	US-PATENT-CLASS-333-21	c 07	N71-10676 *	#	US-PATENT-CLASS-338-13	c 24	N75-30260 *	#
US-PATENT-CLASS-331-94.5G	c 36	N78-17366 *	#	US-PATENT-CLASS-333-22F	c 32	N83-27085 *	#	US-PATENT-CLASS-338-162	c 37	N75-13265 *	#
US-PATENT-CLASS-331-94.5G	c 36	N78-27402 *	#	US-PATENT-CLASS-333-231	c 33	N85-29143 *	#	US-PATENT-CLASS-338-18	c 35	N79-33449 *	#
US-PATENT-CLASS-331-94.5G	c 36	N79-18307 *	#	US-PATENT-CLASS-333-24.2	c 36	N83-35350 *	#	US-PATENT-CLASS-338-229	c 35	N77-24454 *	#
US-PATENT-CLASS-331-94.5G	c 33	N82-24418 *	#	US-PATENT-CLASS-333-24R	c 09	N72-29172 *	#	US-PATENT-CLASS-338-25	c 35	N77-21393 *	#
US-PATENT-CLASS-331-94.5K	c 36	N74-15145 *	#	US-PATENT-CLASS-333-24R	c 36	N80-18372 *	#	US-PATENT-CLASS-338-25	c 35	N82-24470 *	#
US-PATENT-CLASS-331-94.5L	c 72	N79-13826 *	#	US-PATENT-CLASS-333-246	c 33	N82-16340 *	#	US-PATENT-CLASS-338-275	c 35	N82-24470 *	#
US-PATENT-CLASS-331-94.5M	c 36	N75-19654 *	#	US-PATENT-CLASS-333-252	c 32	N80-32605 *	#	US-PATENT-CLASS-338-283	c 24	N75-30260 *	#
US-PATENT-CLASS-331-94.5PE	c 36	N75-32441 *	#	US-PATENT-CLASS-333-254	c 32	N83-27085 *	#	US-PATENT-CLASS-338-28	c 35	N77-20400 *	#
US-PATENT-CLASS-331-94.5PE	c 36	N77-19416 *	#	US-PATENT-CLASS-333-262	c 33	N80-18285 *	#	US-PATENT-CLASS-338-28	c 35	N77-24454 *	#
US-PATENT-CLASS-331-94.5PE	c 36	N78-27402 *	#	US-PATENT-CLASS-333-30	c 10	N71-25900 *	#	US-PATENT-CLASS-338-28	c 35	N82-24470 *	#
US-PATENT-CLASS-331-94.5PE	c 72	N79-13826 *	#	US-PATENT-CLASS-333-6	c 07	N71-33606 *	#	US-PATENT-CLASS-338-2	c 33	N75-31329 *	#
US-PATENT-CLASS-331-94.5PE	c 33	N82-24418 *	#	US-PATENT-CLASS-333-70CR	c 10	N72-17171 *	#	US-PATENT-CLASS-338-2	c 35	N80-20560 *	#
US-PATENT-CLASS-331-94.5P	c 36	N75-19655 *	#	US-PATENT-CLASS-333-70R	c 32	N77-18307 *	#	US-PATENT-CLASS-338-2	c 52	N80-27072 *	#
US-PATENT-CLASS-331-94.5P	c 36	N75-31426 *	#	US-PATENT-CLASS-333-72	c 10	N71-25900 *	#	US-PATENT-CLASS-338-2	c 35	N84-12443 *	#
US-PATENT-CLASS-331-94.5P	c 36	N77-25502 *	#	US-PATENT-CLASS-333-72	c 71	N77-26919 *	#	US-PATENT-CLASS-338-309	c 27	N84-33589 *	#
US-PATENT-CLASS-331-94.5P	c 36	N78-27402 *	#	US-PATENT-CLASS-333-73R	c 09	N73-26195 *	#	US-PATENT-CLASS-338-325	c 33	N78-13320 *	#
US-PATENT-CLASS-331-94.5P	c 72	N79-13826 *	#	US-PATENT-CLASS-333-73S	c 09	N73-26195 *	#	US-PATENT-CLASS-338-320	c 33	N74-14935 *	#
US-PATENT-CLASS-331-94.5P	c 36	N79-18307 *	#	US-PATENT-CLASS-333-73W	c 07	N72-20141 *	#	US-PATENT-CLASS-338-36	c 35	N78-17359 *	#
US-PATENT-CLASS-331-94.5P	c 36	N80-14384 *	#	US-PATENT-CLASS-333-73	c 07	N69-24323 *	#	US-PATENT-CLASS-338-5	c 32	N71-15974 *	#
US-PATENT-CLASS-331-94.5P	c 36	N82-13415 *	#	US-PATENT-CLASS-333-73	c 09	N71-23573 *	#	US-PATENT-CLASS-338-5	c 52	N74-27864 *	#
US-PATENT-CLASS-331-94.5S	c 36	N74-15145 *	#	US-PATENT-CLASS-333-75	c 32	N77-18307 *	#	US-PATENT-CLASS-338-64	c 09	N71-21583 *	#
US-PATENT-CLASS-331-94.5S	c 36	N77-25499 *	#	US-PATENT-CLASS-333-76	c 32	N77-18307 *	#	US-PATENT-CLASS-338-6	c 35	N76-14430 *	#
US-PATENT-CLASS-331-94.5T	c 35	N77-27366 *	#	US-PATENT-CLASS-333-79	c 10	N70-41964 *	#	US-PATENT-CLASS-338-6	c 52	N76-29895 *	#
US-PATENT-CLASS-331-94.5T	c 36	N78-17366 *	#	US-PATENT-CLASS-333-79	c 09	N72-25256 *	#	US-PATENT-CLASS-338-75	c 37	N75-13265 *	#
US-PATENT-CLASS-331-94.5	c 16	N71-18614 *	#	US-PATENT-CLASS-333-7	c 07	N71-33606 *	#	US-PATENT-CLASS-338-82	c 09	N71-20842 *	#
US-PATENT-CLASS-331-94.5	c 16	N71-24832 *	#	US-PATENT-CLASS-333-7	c 07	N72-25170 *	#	US-PATENT-CLASS-338-89	c 35	N74-23877 *	#
US-PATENT-CLASS-331-94.5	c 23	N71-26722 *	#	US-PATENT-CLASS-333-80R	c 33	N74-32712 *	#	US-PATENT-CLASS-338-97	c 37	N75-13265 *	#
US-PATENT-CLASS-331-94.5	c 15	N71-27135 *	#	US-PATENT-CLASS-333-80T	c 10	N72-33230 *	#	US-PATENT-CLASS-338-99	c 35	N78-17359 *	#
US-PATENT-CLASS-331-94.5	c 23	N71-29125 *	#	US-PATENT-CLASS-333-80	c 09	N71-12517 *	#	US-PATENT-CLASS-339-143C	c 33	N76-16332 *	#
US-PATENT-CLASS-331-94.5	c 16	N71-33410 *	#	US-PATENT-CLASS-333-80	c 09	N72-21245 *	#	US-PATENT-CLASS-339-143R	c 09	N72-25256 *	#
US-PATENT-CLASS-331-94.5	c 16	N72-12440 *	#	US-PATENT-CLASS-333-81B	c 14	N73-13420 *	#	US-PATENT-CLASS-339-147R	c 09	N72-25256 *	#
US-PATENT-CLASS-331-94.5	c 25	N72-24753 *	#	US-PATENT-CLASS-333-81R	c 07	N72-25170 *	#	US-PATENT-CLASS-339-150	c 09	N69-21470 *	#
US-PATENT-CLASS-331-94.5	c 16	N72-25485 *	#	US-PATENT-CLASS-333-81R	c 33	N78-32340 *	#	US-PATENT-CLASS-339-17M	c 37	N76-27567 *	#
US-PATENT-CLASS-331-94.5	c 07	N73-26119 *	#	US-PATENT-CLASS-333-81	c 32	N80-14281 *	#	US-PATENT-CLASS-339-17R	c 15	N71-29133 *	#
US-PATENT-CLASS-331-94.5	c 09	N73-32111 *	#	US-PATENT-CLASS-333-81	c 07	N71-29065 *	#	US-PATENT-CLASS-339-17MF	c 09	N72-28225 *	#
US-PATENT-CLASS-331-94.5	c 16	N73-32391 *	#	US-PATENT-CLASS-333-82A	c 09	N73-26195 *	#	US-PATENT-CLASS-339-176M	c 15	N72-17455 *	#
US-PATENT-CLASS-331-94.5	c 36	N76-18427 *	#	US-PATENT-CLASS-333-82B	c 32	N77-18307 *	#	US-PATENT-CLASS-339-176	c 09	N70-34596 *	#
US-PATENT-CLASS-331-94.5G	c 36	N75-32441 *	#	US-PATENT-CLASS-333-83BT	c 33	N75-30430 *	#	US-PATENT-CLASS-339-176	c 09	N70-36494 *	#
US-PATENT-CLASS-331-94	c 16	N70-41578 *	#	US-PATENT-CLASS-333-83R	c 36	N74-11313 *	#	US-PATENT-CLASS-339-177	c 09	N71-20851 *	#
US-PATENT-CLASS-331-94	c 16	N72-28521 *	#	US-PATENT-CLASS-333-83	c 09	N71-24841 *	#	US-PATENT-CLASS-339-17	c 14	N69-27431 *	#
US-PATENT-CLASS-331-94	c 16	N73-13489 *	#	US-PATENT-CLASS-333-84M	c 09	N73-26195 *	#	US-PATENT-CLASS-339-17	c 15	N71-17685 *	#
US-PATENT-CLASS-331-94	c 35	N76-15436 *	#	US-PATENT-CLASS-333-8	c 07	N69-24334 *	#	US-PATENT-CLASS-339-17	c 09	N71-26133 *	#
US-PATENT-CLASS-331-94	c 36	N76-31512 *	#	US-PATENT-CLASS-333-95	c 07	N71-27191 *	#	US-PATENT-CLASS-339-18C	c 37	N76-27567 *	#
US-PATENT-CLASS-331-94	c 36	N79-14362 *	#	US-PATENT-CLASS-333-96	c 09	N71-20445 *	#	US-PATENT-CLASS-339-196R	c 33	N76-16332 *	#
US-PATENT-CLASS-331-94	c 36	N80-18372 *	#	US-PATENT-CLASS-333-96	c 07	N72-27191 *	#	US-PATENT-CLASS-339-218M	c 09	N72-28225 *	#
US-PATENT-CLASS-331-96	c 33	N85-29143 *	#	US-PATENT-CLASS-333-97R	c 36	N74-11313 *	#	US-PATENT-CLASS-339-242	c 33	N76-16332 *	#
US-PATENT-CLASS-332-10	c 08	N71-29138 *	#	US-PATENT-CLASS-333-97	c 07	N69-27462 *	#	US-PATENT-CLASS-339-252R	c 52	N77-14738 *	#
US-PATENT-CLASS-332-11D	c 35	N74-17885 *	#	US-PATENT-CLASS-333-98P	c 07	N72-25170 *	#	US-PATENT-CLASS-339-258RR	c 33	N84-14423 *	#
US-PATENT-CLASS-332-16	c 33	N77-21314 *	#	US-PATENT-CLASS-333-98P	c 09	N72-29172 *	#	US-PATENT-CLASS-339-262RR	c 33	N84-14423 *	#
US-PATENT-CLASS-332-19	c 10	N71-23544 *	#	US-PATENT-CLASS-333-98R	c 07	N72-25170 *	#	US-PATENT-CLASS-339-275R	c 33	N76-16332 *	#
US-PATENT-CLASS-332-19	c 10	N71-23084 *	#	US-PATENT-CLASS-333-98R	c 09	N72-29172 *	#	US-PATENT-CLASS-339-275T	c 09	N72-20200 *	#
US-PATENT-CLASS-332-21	c 08	N72-25208 *	#	US-PATENT-CLASS-333-98R	c 14	N73-13420 *	#	US-PATENT-CLASS-339-276T	c 09	N72-20200 *	#
US-PATENT-CLASS-332-22	c 32	N77-14292 *	#	US-PATENT-CLASS-333-98S	c 33	N75-30430 *	#	US-PATENT-CLASS-339-278M	c 15	N72-17455 *	#
US-PATENT-CLASS-332-22	c 33	N81-15192 *	#	US-PATENT-CLASS-333-98	c 09	N72-25170 *	#	US-PATENT-CLASS-339-3R	c 07	N83-20944 *	#
US-PATENT-CLASS-332-23R	c 32	N77-14292 *	#	US-PATENT-CLASS-333-99	c 09	N71-23548 *	#	US-PATENT-CLASS-339-45M	c 15	N72-25450 *	#
US-PATENT-CLASS-332-23R	c 33	N81-15192 *	#	US-PATENT-CLASS-333-99S	c 32	N71-24808 *	#	US-PATENT-CLASS-339-46	c 15	N72-17455 *	#
US-PATENT-CLASS-332-29	c 07	N71-28429 *	#	US-PATENT-CLASS-335-100	c 37	N80-32605 *	#	US-PATENT-CLASS-339-5R	c 07	N83-20944 *	#
US-PATENT-CLASS-332-2	c 35	N75-19614 *	#	US-PATENT-CLASS-335-205	c 09	N85-30333 *	#	US-PATENT-CLASS-339-5	c 15	N71-23049 *	#
US-PATENT-CLASS-332-30V	c 33	N77-14334 *	#	US-PATENT-CLASS-335-216	c 16	N72-20199 *	#	US-PATENT-CLASS-339-64M	c 33	N84-14423 *	#
US-PATENT-CLASS-332-30V	c 33	N77-17351 *	#	US-PATENT-CLASS-335-216	c 23	N71-29049 *	#	US-PATENT-CLASS-339-75MP	c 09	N72-28225 *	#
US-PATENT-CLASS-332-30	c 10	N71-27271 *	#	US-PATENT-CLASS-335-216	c 26	N73-32571 *	#	US-PATENT-CLASS-339-91B	c 15	N72-25450 *	#
US-PATENT-CLASS-332-30	c 07	N71-28429 *	#	US-PATENT-CLASS-335-216	c 20	N75-24837 *	#	US-PATENT-CLASS-339-91	c 09	N69-21927 *	#
US-PATENT-CLASS-332-31											

REPORT NUMBER INDEX

US-PATENT-CLASS-343-105R

US-PATENT-CLASS-340-12R	c 35	N74-16135 *	US-PATENT-CLASS-340-174	c 10	N71-26434 *	US-PATENT-CLASS-340-347SY	c 62	N76-31946 *
US-PATENT-CLASS-340-12R	c 46	N79-23555 *	US-PATENT-CLASS-340-174	c 08	N71-28925 *	US-PATENT-CLASS-340-347SY	c 35	N77-30436 *
US-PATENT-CLASS-340-146.1AL	c 08	N72-25210 *	US-PATENT-CLASS-340-174	c 10	N71-29135 *	US-PATENT-CLASS-340-347SY	c 31	N86-29055 *
US-PATENT-CLASS-340-146.1AL	c 08	N73-12175 *	US-PATENT-CLASS-340-177VA	c 06	N80-18036 *	US-PATENT-CLASS-340-347	c 08	N70-35423 *
US-PATENT-CLASS-340-146.1AL	c 32	N77-12240 *	US-PATENT-CLASS-340-177	c 09	N72-17153 *	US-PATENT-CLASS-340-347	c 08	N70-40125 *
US-PATENT-CLASS-340-146.1AQ	c 08	N73-12177 *	US-PATENT-CLASS-340-182	c 33	N74-27862 *	US-PATENT-CLASS-340-347	c 08	N71-18594 *
US-PATENT-CLASS-340-146.1AQ	c 32	N74-32598 *	US-PATENT-CLASS-340-183	c 52	N74-26625 *	US-PATENT-CLASS-340-347	c 08	N71-19435 *
US-PATENT-CLASS-340-146.1AQ	c 08	N77-12240 *	US-PATENT-CLASS-340-189M	c 17	N76-29347 *	US-PATENT-CLASS-340-347	c 08	N71-19544 *
US-PATENT-CLASS-340-146.1AV	c 08	N73-12177 *	US-PATENT-CLASS-340-198	c 14	N70-33179 *	US-PATENT-CLASS-340-347	c 08	N71-19687 *
US-PATENT-CLASS-340-146.1AV	c 32	N77-12240 *	US-PATENT-CLASS-340-198	c 07	N71-11298 *	US-PATENT-CLASS-340-347	c 08	N71-24650 *
US-PATENT-CLASS-340-146.1AX	c 32	N79-10263 *	US-PATENT-CLASS-340-200	c 33	N77-31404 *	US-PATENT-CLASS-340-347	c 10	N71-25917 *
US-PATENT-CLASS-340-146.1C	c 07	N73-20176 *	US-PATENT-CLASS-340-200	c 09	N72-22202 *	US-PATENT-CLASS-340-347	c 10	N71-26544 *
US-PATENT-CLASS-340-146.1E	c 32	N79-10263 *	US-PATENT-CLASS-340-203	c 52	N74-26625 *	US-PATENT-CLASS-340-347	c 08	N73-28045 *
US-PATENT-CLASS-340-146.1	c 09	N71-18843 *	US-PATENT-CLASS-340-203	c 17	N76-29347 *	US-PATENT-CLASS-340-348	c 08	N72-22167 *
US-PATENT-CLASS-340-146.1	c 08	N71-22749 *	US-PATENT-CLASS-340-206	c 17	N76-22245 *	US-PATENT-CLASS-340-38P	c 66	N76-19888 *
US-PATENT-CLASS-340-146.1	c 10	N71-26103 *	US-PATENT-CLASS-340-207P	c 52	N74-26625 *	US-PATENT-CLASS-340-403	c 10	N71-27272 *
US-PATENT-CLASS-340-146.1	c 08	N71-27255 *	US-PATENT-CLASS-340-207R	c 07	N73-25160 *	US-PATENT-CLASS-340-407	c 71	N74-21014 *
US-PATENT-CLASS-340-146.1	c 08	N72-22167 *	US-PATENT-CLASS-340-210	c 03	N72-20031 *	US-PATENT-CLASS-340-412	c 10	N71-24798 *
US-PATENT-CLASS-340-146.1	c 07	N73-13149 *	US-PATENT-CLASS-340-213.1	c 10	N71-19417 *	US-PATENT-CLASS-340-415	c 10	N73-32144 *
US-PATENT-CLASS-340-146.2	c 08	N71-12505 *	US-PATENT-CLASS-340-213R	c 54	N78-32720 *	US-PATENT-CLASS-340-418	c 14	N73-16484 *
US-PATENT-CLASS-340-146.2	c 08	N71-23295 *	US-PATENT-CLASS-340-213	c 10	N71-27272 *	US-PATENT-CLASS-340-5C	c 14	N73-27379 *
US-PATENT-CLASS-340-146.3H	c 74	N81-19896 *	US-PATENT-CLASS-340-223	c 10	N73-32144 *	US-PATENT-CLASS-340-5H	c 32	N71-21267 *
US-PATENT-CLASS-340-146.3P	c 43	N77-10584 *	US-PATENT-CLASS-340-223	c 37	N77-19458 *	US-PATENT-CLASS-340-5R	c 35	N74-16135 *
US-PATENT-CLASS-340-146.3Q	c 43	N77-10584 *	US-PATENT-CLASS-340-227R	c 14	N72-25412 *	US-PATENT-CLASS-340-518	c 35	N83-34272 *
US-PATENT-CLASS-340-146.3S	c 74	N81-19896 *	US-PATENT-CLASS-340-227	c 10	N71-16058 *	US-PATENT-CLASS-340-555	c 74	N85-22139 *
US-PATENT-CLASS-340-146.3Y	c 74	N81-19896 *	US-PATENT-CLASS-340-227	c 14	N71-27186 *	US-PATENT-CLASS-340-566	c 35	N83-34272 *
US-PATENT-CLASS-340-147C	c 60	N76-14818 *	US-PATENT-CLASS-340-228.2	c 10	N72-17173 *	US-PATENT-CLASS-340-57	c 14	N71-15620 *
US-PATENT-CLASS-340-147R	c 07	N73-20176 *	US-PATENT-CLASS-340-228S	c 14	N73-16484 *	US-PATENT-CLASS-340-602	c 33	N80-23559 *
US-PATENT-CLASS-340-147R	c 60	N76-14818 *	US-PATENT-CLASS-340-233	c 14	N71-25901 *	US-PATENT-CLASS-340-604	c 33	N80-23559 *
US-PATENT-CLASS-340-147SY	c 17	N76-22245 *	US-PATENT-CLASS-340-235	c 10	N71-26334 *	US-PATENT-CLASS-340-605	c 25	N86-27431 *
US-PATENT-CLASS-340-147	c 09	N70-33182 *	US-PATENT-CLASS-340-237S	c 45	N76-17656 *	US-PATENT-CLASS-340-650	c 33	N79-18193 *
US-PATENT-CLASS-340-147	c 09	N70-38998 *	US-PATENT-CLASS-340-240	c 09	N72-27227 *	US-PATENT-CLASS-340-664	c 33	N79-18193 *
US-PATENT-CLASS-340-15.5GC	c 14	N73-26432 *	US-PATENT-CLASS-340-242	c 35	N75-19612 *	US-PATENT-CLASS-340-705	c 06	N84-27733 *
US-PATENT-CLASS-340-150	c 10	N71-27272 *	US-PATENT-CLASS-340-248	c 10	N71-27338 *	US-PATENT-CLASS-340-8LF	c 71	N79-27353 *
US-PATENT-CLASS-340-151	c 33	N74-27862 *	US-PATENT-CLASS-340-258R	c 07	N73-25160 *	US-PATENT-CLASS-340-8R	c 35	N74-16135 *
US-PATENT-CLASS-340-163	c 07	N73-20176 *	US-PATENT-CLASS-340-258	c 10	N72-28240 *	US-PATENT-CLASS-340-825.21	c 60	N84-28492 *
US-PATENT-CLASS-340-164	c 10	N71-27272 *	US-PATENT-CLASS-340-25	c 14	N73-16483 *	US-PATENT-CLASS-340-825.5	c 60	N84-28492 *
US-PATENT-CLASS-340-166	c 10	N71-27272 *	US-PATENT-CLASS-340-262	c 54	N78-32720 *	US-PATENT-CLASS-340-825.5	c 17	N87-16863 *
US-PATENT-CLASS-340-166	c 10	N73-32144 *	US-PATENT-CLASS-340-26	c 21	N72-22619 *	US-PATENT-CLASS-340-825.89	c 33	N82-29538 *
US-PATENT-CLASS-340-167	c 07	N72-25173 *	US-PATENT-CLASS-340-26	c 04	N82-16059 *	US-PATENT-CLASS-340-870.13	c 35	N84-22934 *
US-PATENT-CLASS-340-171	c 09	N72-22202 *	US-PATENT-CLASS-340-27AT	c 21	N73-14692 *	US-PATENT-CLASS-340-870.18	c 17	N87-16863 *
US-PATENT-CLASS-340-171	c 16	N73-16536 *	US-PATENT-CLASS-340-27NA	c 21	N73-13643 *	US-PATENT-CLASS-340-870.24	c 33	N81-14221 *
US-PATENT-CLASS-340-172.5	c 08	N69-21928 *	US-PATENT-CLASS-340-27NA	c 06	N82-16075 *	US-PATENT-CLASS-340-905	c 35	N84-33769 *
US-PATENT-CLASS-340-172.5	c 09	N69-24333 *	US-PATENT-CLASS-340-27R	c 14	N73-16483 *	US-PATENT-CLASS-340-968	c 06	N86-27280 *
US-PATENT-CLASS-340-172.5	c 08	N71-12502 *	US-PATENT-CLASS-340-27R	c 14	N73-20474 *	US-PATENT-CLASS-340-971	c 06	N84-27733 *
US-PATENT-CLASS-340-172.5	c 08	N71-12506 *	US-PATENT-CLASS-340-27SS	c 35	N78-14364 *	US-PATENT-CLASS-340-975	c 06	N84-27733 *
US-PATENT-CLASS-340-172.5	c 31	N71-15566 *	US-PATENT-CLASS-340-271	c 35	N77-30436 *	US-PATENT-CLASS-340-978	c 06	N84-27733 *
US-PATENT-CLASS-340-172.5	c 08	N71-19288 *	US-PATENT-CLASS-340-277	c 10	N73-30205 *	US-PATENT-CLASS-340-97	c 21	N73-13643 *
US-PATENT-CLASS-340-172.5	c 08	N71-22707 *	US-PATENT-CLASS-340-279	c 05	N72-16015 *	US-PATENT-CLASS-340-980	c 06	N84-27733 *
US-PATENT-CLASS-340-172.5	c 08	N71-22710 *	US-PATENT-CLASS-340-279	c 10	N73-30205 *	US-PATENT-CLASS-340-988	c 35	N84-33769 *
US-PATENT-CLASS-340-172.5	c 07	N71-24624 *	US-PATENT-CLASS-340-279	c 54	N78-32720 *	US-PATENT-CLASS-343-DIG.2	c 07	N73-24176 *
US-PATENT-CLASS-340-172.5	c 08	N71-27255 *	US-PATENT-CLASS-340-285	c 14	N71-25901 *	US-PATENT-CLASS-343-DIG.2	c 33	N74-20860 *
US-PATENT-CLASS-340-172.5	c 07	N72-25172 *	US-PATENT-CLASS-340-285	c 54	N78-32720 *	US-PATENT-CLASS-343-DIG.2	c 37	N86-25791 *
US-PATENT-CLASS-340-172.5	c 08	N72-25207 *	US-PATENT-CLASS-340-309.1	c 54	N78-32720 *	US-PATENT-CLASS-343-DIG.3	c 09	N72-12136 *
US-PATENT-CLASS-340-172.5	c 09	N72-25248 *	US-PATENT-CLASS-340-309.4	c 33	N81-14221 *	US-PATENT-CLASS-343-DIG2	c 07	N83-20944 *
US-PATENT-CLASS-340-172.5	c 08	N73-13187 *	US-PATENT-CLASS-340-310A	c 33	N81-14221 *	US-PATENT-CLASS-343-100AP	c 33	N83-36355 *
US-PATENT-CLASS-340-172.5	c 08	N73-26176 *	US-PATENT-CLASS-340-310R	c 33	N81-14221 *	US-PATENT-CLASS-343-100CL	c 32	N77-32342 *
US-PATENT-CLASS-340-172.5	c 60	N76-18800 *	US-PATENT-CLASS-340-324AD	c 33	N75-19517 *	US-PATENT-CLASS-343-100CL	c 32	N79-14268 *
US-PATENT-CLASS-340-172.5	c 60	N76-21914 *	US-PATENT-CLASS-340-324A	c 09	N72-25248 *	US-PATENT-CLASS-343-100CL	c 32	N81-29308 *
US-PATENT-CLASS-340-172.5	c 60	N77-12721 *	US-PATENT-CLASS-340-324R	c 26	N72-25680 *	US-PATENT-CLASS-343-100CL	c 32	N83-18975 *
US-PATENT-CLASS-340-172.5	c 60	N77-14751 *	US-PATENT-CLASS-340-324	c 08	N71-12507 *	US-PATENT-CLASS-343-100CL	c 32	N83-19968 *
US-PATENT-CLASS-340-172.5	c 60	N77-19760 *	US-PATENT-CLASS-340-324	c 09	N71-33519 *	US-PATENT-CLASS-343-100ME	c 14	N72-28437 *
US-PATENT-CLASS-340-173.2	c 08	N72-21198 *	US-PATENT-CLASS-340-332	c 09	N72-25250 *	US-PATENT-CLASS-343-100ME	c 14	N73-26432 *
US-PATENT-CLASS-340-173.2	c 33	N75-31331 *	US-PATENT-CLASS-340-336	c 09	N71-33519 *	US-PATENT-CLASS-343-100ME	c 46	N80-14603 *
US-PATENT-CLASS-340-173CA	c 60	N74-12888 *	US-PATENT-CLASS-340-33	c 21	N73-13643 *	US-PATENT-CLASS-343-100ME	c 35	N80-18359 *
US-PATENT-CLASS-340-173CR	c 60	N74-12888 *	US-PATENT-CLASS-340-347AD	c 14	N71-28991 *	US-PATENT-CLASS-343-100ME	c 46	N82-12685 *
US-PATENT-CLASS-340-173LM	c 60	N78-10709 *	US-PATENT-CLASS-340-347AD	c 08	N72-21200 *	US-PATENT-CLASS-343-100ME	c 06	N83-10040 *
US-PATENT-CLASS-340-173LM	c 60	N78-10709 *	US-PATENT-CLASS-340-347AD	c 08	N72-22163 *	US-PATENT-CLASS-343-100ME	c 32	N75-24982 *
US-PATENT-CLASS-340-173LS	c 08	N72-21198 *	US-PATENT-CLASS-340-347AD	c 08	N72-22166 *	US-PATENT-CLASS-343-100PE	c 33	N81-26358 *
US-PATENT-CLASS-340-173LS	c 36	N75-19652 *	US-PATENT-CLASS-340-347AD	c 08	N72-31226 *	US-PATENT-CLASS-343-100PE	c 46	N82-12685 *
US-PATENT-CLASS-340-173	c 10	N73-32144 *	US-PATENT-CLASS-340-347AD	c 08	N73-20217 *	US-PATENT-CLASS-343-100PE	c 35	N82-15381 *
US-PATENT-CLASS-340-174.1L	c 35	N74-11283 *	US-PATENT-CLASS-340-347AD	c 35	N74-17885 *	US-PATENT-CLASS-343-100R	c 10	N73-16206 *
US-PATENT-CLASS-340-174.1M	c 36	N74-13205 *	US-PATENT-CLASS-340-347AD	c 35	N74-32877 *	US-PATENT-CLASS-343-100R	c 33	N80-18287 *
US-PATENT-CLASS-340-174.1M	c 35	N78-29421 *	US-PATENT-CLASS-340-347AD	c 33	N76-18345 *	US-PATENT-CLASS-343-100SA	c 10	N73-16206 *
US-PATENT-CLASS-340-174.1M	c 35	N79-16246 *	US-PATENT-CLASS-340-347AD	c 60	N77-32731 *	US-PATENT-CLASS-343-100SA	c 33	N74-20860 *
US-PATENT-CLASS-340-174.1R	c 21	N73-13644 *	US-PATENT-CLASS-340-347CC	c 31	N86-29055 *	US-PATENT-CLASS-343-100SA	c 17	N76-21250 *
US-PATENT-CLASS-340-174.1	c 08	N71-21042 *	US-PATENT-CLASS-340-347DA	c 08	N71-27057 *	US-PATENT-CLASS-343-100SA	c 32	N80-28578 *
US-PATENT-CLASS-340-174.1	c 07	N71-23001 *	US-PATENT-CLASS-340-347DA	c 08	N72-20176 *	US-PATENT-CLASS-343-100ST	c 07	N72-21118 *
US-PATENT-CLASS-340-174.1	c 08	N71-27210 *	US-PATENT-CLASS-340-347DA	c 08	N72-25206 *	US-PATENT-CLASS-343-100ST	c 33	N74-20860 *
US-PATENT-CLASS-340-174AG	c 23	N72-17747 *	US-PATENT-CLASS-340-347DD	c 08	N73-32081 *	US-PATENT-CLASS-343-100ST	c 32	N75-15854 *
US-PATENT-CLASS-340-174CS	c 08	N72-21199 *	US-PATENT-CLASS-340-347DD	c 10	N71-33407 *	US-PATENT-CLASS-343-100ST	c 17	N76-21250 *
US-PATENT-CLASS-340-174CT	c 23	N72-17747 *	US-PATENT-CLASS-340-347DD	c 08	N72-18184 *	US-PATENT-CLASS-343-100ST	c 32	N77-20289 *
US-PATENT-CLASS-340-174GA	c 23	N72-17747 *	US-PATENT-CLASS-340-347DD	c 08	N72-20176 *	US-PATENT-CLASS-343-100ST	c 33	N80-18287 *
US-PATENT-CLASS-340-174LC	c 08	N72-21199 *	US-PATENT-CLASS-340-347DD	c 08	N72-21197 *	US-PATENT-CLASS-343-100TD	c 32	N79-24210 *
US-PATENT-CLASS-340-174MA	c 24	N75-13032 *	US-PATENT-CLASS-340-347DD	c 08	N73-12176 *	US-PATENT-CLASS-343-100TD	c 32	N81-14185 *
US-PATENT-CLASS-340-174M	c 08	N72-21199 *	US-PATENT-CLASS-340-347DD	c 60	N76-23850 *	US-PATENT-CLASS-343-100	c 10	N71-18222 *
US-PATENT-CLASS-340-174SC	c 23	N72-17747 *	US-PATENT-CLASS-340-347DD	c 32	N77-12239 *	US-PATENT-CLASS-343-100	c 07	N71-19854 *
US-PATENT-CLASS-340-174SR	c 08	N72-21199 *	US-PATENT-CLASS-340-347DD	c 60	N78-17691 *	US-PATENT-CLASS-343-100	c 30	N71-23723 *
US-PATENT-CLASS-340-174YC	c 36	N74-13205 *	US-PATENT-CLASS-340-347DD	c 60	N79-20751 *	US-PATENT-CLASS-343-100	c 07	N71-24621 *
US-PATENT-CLASS-340-174YC	c 35	N78-29421 *	US-PATENT-CLASS-340-347DD	c 33	N82-26570 *	US-PATENT-CLASS-343-100	c 09	N71-24804 *
US-PATENT-CLASS-340-174	c 08	N71-12504 *	US-PATENT-CLASS-340-347DD	c 32	N86-27513 *	US-PATENT-CLASS-343-100	c 31	N71-24813 *
US-PATENT-CLASS-340-174	c 09	N71-12515 *	US-PATENT-CLASS-340-347P	c 60	N76-23850 *	US-PATENT-CLASS-343-100	c 07	N71-27056 *
US-PATENT-CLASS-340-174	c 08	N71-18595 *	US-PATENT-CLASS-340-347P	c 35	N77-30436 *	US-PATENT-CLASS-343-105R	c 07	N71-28900 *
US-PATENT-CLASS-340-174	c 08	N71-18694 *	US-PATENT-CLASS-340-347R	c 08	N72-22165 *	US-PATENT-CLASS-343-105R	c 32	N75-26194 *
US-PATENT-CLASS-340-174	c 10	N71-23033 *	US-PATENT-CLASS-340-347SH	c 33	N77-31404 *	US-PATENT-CLASS-343-105R	c 04	N84-27713 *
US-PATENT-CLASS-340-174	c 10	N71-26418 *						

US-PATENT-CLASS-343-108R	c 04	N74-13420	* #	US-PATENT-CLASS-343-5CM	c 32	N83-31918	* #	US-PATENT-CLASS-343-781	c 33	N75-19516	* #
US-PATENT-CLASS-343-110	c 32	N77-32342	* #	US-PATENT-CLASS-343-5DP	c 07	N72-11149	* #	US-PATENT-CLASS-343-781	c 32	N76-21365	* #
US-PATENT-CLASS-343-111R	c 09	N73-12211	* #	US-PATENT-CLASS-343-5DP	c 09	N73-12211	* #	US-PATENT-CLASS-343-782	c 07	N73-14130	* #
US-PATENT-CLASS-343-111VB	c 09	N73-12211	* #	US-PATENT-CLASS-343-5DP	c 32	N77-32342	* #	US-PATENT-CLASS-343-782	c 32	N78-31321	* #
US-PATENT-CLASS-343-112CA	c 21	N73-13643	* #	US-PATENT-CLASS-343-5DP	c 32	N82-23376	* #	US-PATENT-CLASS-343-784	c 07	N71-28980	* #
US-PATENT-CLASS-343-112CA	c 21	N73-30641	* #	US-PATENT-CLASS-343-5GC	c 32	N75-24982	* #	US-PATENT-CLASS-343-786	c 07	N71-15907	* #
US-PATENT-CLASS-343-112CA	c 03	N75-30132	* #	US-PATENT-CLASS-343-5MM	c 32	N77-21267	* #	US-PATENT-CLASS-343-786	c 07	N71-22750	* #
US-PATENT-CLASS-343-112D	c 14	N72-28437	* #	US-PATENT-CLASS-343-5NA	c 31	N79-28370	* #	US-PATENT-CLASS-343-786	c 07	N71-26101	* #
US-PATENT-CLASS-343-112D	c 32	N75-26194	* #	US-PATENT-CLASS-343-5W	c 35	N79-10391	* #	US-PATENT-CLASS-343-786	c 07	N71-27233	* #
US-PATENT-CLASS-343-112D	c 46	N80-14603	* #	US-PATENT-CLASS-343-5W	c 43	N80-18498	* #	US-PATENT-CLASS-343-786	c 07	N72-20141	* #
US-PATENT-CLASS-343-112R	c 09	N73-32110	* #	US-PATENT-CLASS-343-5W	c 46	N85-21846	* #	US-PATENT-CLASS-343-786	c 10	N72-22335	* #
US-PATENT-CLASS-343-112R	c 17	N78-17140	* #	US-PATENT-CLASS-343-6BR	c 32	N77-20289	* #	US-PATENT-CLASS-343-786	c 07	N72-25174	* #
US-PATENT-CLASS-343-112R	c 04	N80-32359	* #	US-PATENT-CLASS-343-6BR	c 07	N72-12080	* #	US-PATENT-CLASS-343-786	c 09	N72-31235	* #
US-PATENT-CLASS-343-112R	c 32	N81-27341	* #	US-PATENT-CLASS-343-6BR	c 07	N72-21118	* #	US-PATENT-CLASS-343-786	c 32	N74-20863	* #
US-PATENT-CLASS-343-112TC	c 17	N76-21250	* #	US-PATENT-CLASS-343-6BR	c 07	N72-25171	* #	US-PATENT-CLASS-343-786	c 32	N76-15330	* #
US-PATENT-CLASS-343-112	c 21	N71-13958	* #	US-PATENT-CLASS-343-6BR	c 08	N72-25209	* #	US-PATENT-CLASS-343-786	c 32	N76-21365	* #
US-PATENT-CLASS-343-112	c 02	N71-19287	* #	US-PATENT-CLASS-343-6BR	c 07	N73-25161	* #	US-PATENT-CLASS-343-786	c 32	N80-23524	* #
US-PATENT-CLASS-343-112	c 21	N71-24948	* #	US-PATENT-CLASS-343-6BR	c 21	N73-30641	* #	US-PATENT-CLASS-343-786	c 32	N80-29539	* #
US-PATENT-CLASS-343-113R	c 09	N73-32110	* #	US-PATENT-CLASS-343-6BR	c 32	N74-12912	* #	US-PATENT-CLASS-343-786	c 32	N81-25278	* #
US-PATENT-CLASS-343-113R	c 44	N78-28594	* #	US-PATENT-CLASS-343-6BR	c 32	N75-15854	* #	US-PATENT-CLASS-343-789	c 32	N81-14187	* #
US-PATENT-CLASS-343-113	c 10	N71-21473	* #	US-PATENT-CLASS-343-6BR	c 03	N75-30132	* #	US-PATENT-CLASS-343-789	c 32	N82-27558	* #
US-PATENT-CLASS-343-113	c 07	N71-24625	* #	US-PATENT-CLASS-343-6BR	c 32	N77-20289	* #	US-PATENT-CLASS-343-795	c 32	N82-11336	* #
US-PATENT-CLASS-343-117R	c 32	N79-13214	* #	US-PATENT-CLASS-343-6BR	c 32	N74-12912	* #	US-PATENT-CLASS-343-797	c 09	N71-24842	* #
US-PATENT-CLASS-343-117	c 07	N71-27056	* #	US-PATENT-CLASS-343-6BR	c 21	N71-11766	* #	US-PATENT-CLASS-343-797	c 07	N72-22127	* #
US-PATENT-CLASS-343-118	c 32	N79-13214	* #	US-PATENT-CLASS-343-6BR	c 10	N71-23099	* #	US-PATENT-CLASS-343-797	c 09	N72-31235	* #
US-PATENT-CLASS-343-119	c 44	N78-28594	* #	US-PATENT-CLASS-343-6BR	c 04	N86-19304	* #	US-PATENT-CLASS-343-797	c 07	N73-28013	* #
US-PATENT-CLASS-343-12R	c 08	N72-25209	* #	US-PATENT-CLASS-343-6BR	c 07	N72-12080	* #	US-PATENT-CLASS-343-797	c 32	N74-20863	* #
US-PATENT-CLASS-343-12	c 21	N70-41930	* #	US-PATENT-CLASS-343-6BR	c 07	N73-25161	* #	US-PATENT-CLASS-343-797	c 33	N76-14372	* #
US-PATENT-CLASS-343-12	c 10	N72-20224	* #	US-PATENT-CLASS-343-6BR	c 14	N73-25461	* #	US-PATENT-CLASS-343-797	c 32	N81-14187	* #
US-PATENT-CLASS-343-13R	c 74	N85-34629	* #	US-PATENT-CLASS-343-6BR	c 32	N79-10264	* #	US-PATENT-CLASS-343-799	c 07	N71-27233	* #
US-PATENT-CLASS-343-13	c 09	N71-18598	* #	US-PATENT-CLASS-343-6BR	c 30	N71-16090	* #	US-PATENT-CLASS-343-803	c 07	N73-28013	* #
US-PATENT-CLASS-343-14	c 07	N70-41680	* #	US-PATENT-CLASS-343-7.4	c 10	N72-22235	* #	US-PATENT-CLASS-343-823	c 07	N71-28979	* #
US-PATENT-CLASS-343-14	c 08	N72-25209	* #	US-PATENT-CLASS-343-7.4	c 32	N79-13214	* #	US-PATENT-CLASS-343-830	c 32	N80-32604	* #
US-PATENT-CLASS-343-14	c 14	N73-25461	* #	US-PATENT-CLASS-343-7.5	c 07	N69-39974	* #	US-PATENT-CLASS-343-833	c 31	N70-34135	* #
US-PATENT-CLASS-343-14	c 32	N79-14267	* #	US-PATENT-CLASS-343-7.5	c 09	N71-24595	* #	US-PATENT-CLASS-343-837	c 07	N72-32169	* #
US-PATENT-CLASS-343-14	c 31	N79-28370	* #	US-PATENT-CLASS-343-7.5	c 07	N72-11149	* #	US-PATENT-CLASS-343-837	c 07	N73-14130	* #
US-PATENT-CLASS-343-16M	c 10	N72-22235	* #	US-PATENT-CLASS-343-7.5	c 44	N74-19870	* #	US-PATENT-CLASS-343-837	c 33	N75-19516	* #
US-PATENT-CLASS-343-16M	c 44	N78-28594	* #	US-PATENT-CLASS-343-7.5	c 32	N82-23376	* #	US-PATENT-CLASS-343-837	c 32	N76-15329	* #
US-PATENT-CLASS-343-16	c 09	N71-20864	* #	US-PATENT-CLASS-343-7.5	c 32	N78-24391	* #	US-PATENT-CLASS-343-837	c 32	N76-18295	* #
US-PATENT-CLASS-343-16	c 10	N71-21483	* #	US-PATENT-CLASS-343-7.5	c 32	N80-32604	* #	US-PATENT-CLASS-343-837	c 32	N78-31321	* #
US-PATENT-CLASS-343-17	c 32	N82-23376	* #	US-PATENT-CLASS-343-7.5	c 32	N82-11336	* #	US-PATENT-CLASS-343-839	c 09	N73-19234	* #
US-PATENT-CLASS-343-17	c 32	N85-34327	* #	US-PATENT-CLASS-343-7.5	c 09	N71-13521	* #	US-PATENT-CLASS-343-840	c 07	N71-27233	* #
US-PATENT-CLASS-343-17.2PC	c 35	N79-10391	* #	US-PATENT-CLASS-343-7.5	c 07	N71-24614	* #	US-PATENT-CLASS-343-840	c 09	N72-12136	* #
US-PATENT-CLASS-343-17.2	c 07	N70-36911	* #	US-PATENT-CLASS-343-7.5	c 07	N70-38200	* #	US-PATENT-CLASS-343-840	c 07	N72-32169	* #
US-PATENT-CLASS-343-17.5	c 14	N73-25461	* #	US-PATENT-CLASS-343-7.5	c 07	N70-40202	* #	US-PATENT-CLASS-343-840	c 32	N76-18295	* #
US-PATENT-CLASS-343-17.5	c 32	N75-15854	* #	US-PATENT-CLASS-343-7.5	c 31	N71-10747	* #	US-PATENT-CLASS-343-840	c 33	N83-36355	* #
US-PATENT-CLASS-343-17.5	c 32	N84-22820	* #	US-PATENT-CLASS-343-7.5	c 03	N76-12440	* #	US-PATENT-CLASS-343-844	c 32	N79-11264	* #
US-PATENT-CLASS-343-17.7	c 07	N71-12391	* #	US-PATENT-CLASS-343-7.5	c 07	N72-21117	* #	US-PATENT-CLASS-343-844	c 32	N80-28578	* #
US-PATENT-CLASS-343-17.7	c 44	N74-19870	* #	US-PATENT-CLASS-343-7.5	c 09	N71-22888	* #	US-PATENT-CLASS-343-846	c 33	N76-14372	* #
US-PATENT-CLASS-343-17.7	c 32	N77-31350	* #	US-PATENT-CLASS-343-7.5	c 07	N71-22984	* #	US-PATENT-CLASS-343-846	c 32	N82-11336	* #
US-PATENT-CLASS-343-17.7	c 32	N79-11265	* #	US-PATENT-CLASS-343-7.5	c 07	N71-28980	* #	US-PATENT-CLASS-343-853	c 07	N72-11148	* #
US-PATENT-CLASS-343-17.7	c 32	N84-27951	* #	US-PATENT-CLASS-343-7.5	c 09	N72-25247	* #	US-PATENT-CLASS-343-853	c 07	N72-22127	* #
US-PATENT-CLASS-343-17.7	c 33	N85-21493	* #	US-PATENT-CLASS-343-7.5	c 32	N74-20864	* #	US-PATENT-CLASS-343-853	c 07	N72-25174	* #
US-PATENT-CLASS-343-176	c 07	N71-27056	* #	US-PATENT-CLASS-343-7.5	c 32	N82-11336	* #	US-PATENT-CLASS-343-853	c 09	N72-31235	* #
US-PATENT-CLASS-343-176	c 32	N76-14321	* #	US-PATENT-CLASS-343-7.5	c 09	N71-18720	* #	US-PATENT-CLASS-343-853	c 10	N73-16206	* #
US-PATENT-CLASS-343-179	c 07	N72-11149	* #	US-PATENT-CLASS-343-7.5	c 09	N72-12136	* #	US-PATENT-CLASS-343-853	c 32	N74-20863	* #
US-PATENT-CLASS-343-179	c 07	N73-20174	* #	US-PATENT-CLASS-343-7.5	c 07	N73-28013	* #	US-PATENT-CLASS-343-853	c 32	N74-20864	* #
US-PATENT-CLASS-343-179	c 32	N78-15323	* #	US-PATENT-CLASS-343-7.5	c 32	N81-14187	* #	US-PATENT-CLASS-343-854	c 07	N69-27460	* #
US-PATENT-CLASS-343-179	c 32	N79-20296	* #	US-PATENT-CLASS-343-7.5	c 32	N82-11336	* #	US-PATENT-CLASS-343-854	c 07	N71-27233	* #
US-PATENT-CLASS-343-18A	c 32	N80-14281	* #	US-PATENT-CLASS-343-7.5	c 07	N73-28013	* #	US-PATENT-CLASS-343-854	c 09	N73-19234	* #
US-PATENT-CLASS-343-18B	c 32	N74-12912	* #	US-PATENT-CLASS-343-7.5	c 32	N74-20863	* #	US-PATENT-CLASS-343-854	c 33	N74-20860	* #
US-PATENT-CLASS-343-18B	c 32	N77-21267	* #	US-PATENT-CLASS-343-7.5	c 09	N73-19234	* #	US-PATENT-CLASS-343-854	c 33	N76-27472	* #
US-PATENT-CLASS-343-18B	c 43	N80-18498	* #	US-PATENT-CLASS-343-7.5	c 33	N76-27472	* #	US-PATENT-CLASS-343-854	c 32	N79-11264	* #
US-PATENT-CLASS-343-18D	c 43	N80-18498	* #	US-PATENT-CLASS-343-7.5	c 32	N81-25278	* #	US-PATENT-CLASS-343-854	c 32	N80-28578	* #
US-PATENT-CLASS-343-18	c 31	N70-37981	* #	US-PATENT-CLASS-343-7.5	c 33	N75-19516	* #	US-PATENT-CLASS-343-872	c 07	N71-28980	* #
US-PATENT-CLASS-343-18	c 07	N70-40063	* #	US-PATENT-CLASS-343-7.5	c 32	N76-21365	* #	US-PATENT-CLASS-343-873	c 07	N71-19493	* #
US-PATENT-CLASS-343-18	c 30	N70-40309	* #	US-PATENT-CLASS-343-7.5	c 07	N72-25174	* #	US-PATENT-CLASS-343-873	c 09	N72-25247	* #
US-PATENT-CLASS-343-18	c 07	N70-41678	* #	US-PATENT-CLASS-343-7.5	c 10	N71-26142	* #	US-PATENT-CLASS-343-876	c 32	N76-15329	* #
US-PATENT-CLASS-343-200	c 07	N73-16121	* #	US-PATENT-CLASS-343-7.5	c 32	N74-20864	* #	US-PATENT-CLASS-343-876	c 32	N85-29118	* #
US-PATENT-CLASS-343-204	c 07	N73-20110	* #	US-PATENT-CLASS-343-7.5	c 09	N72-31235	* #	US-PATENT-CLASS-343-880	c 07	N73-26117	* #
US-PATENT-CLASS-343-225	c 17	N78-17140	* #	US-PATENT-CLASS-343-7.5	c 33	N76-14372	* #	US-PATENT-CLASS-343-880	c 18	N80-14183	* #
US-PATENT-CLASS-343-352	c 43	N85-21723	* #	US-PATENT-CLASS-343-7.5	c 07	N71-28809	* #	US-PATENT-CLASS-343-881	c 37	N86-25789	* #
US-PATENT-CLASS-343-352	c 46	N85-21846	* #	US-PATENT-CLASS-343-7.5	c 07	N72-11148	* #	US-PATENT-CLASS-343-882	c 33	N76-32457	* #
US-PATENT-CLASS-343-356	c 04	N84-22546	* #	US-PATENT-CLASS-343-7.5	c 09	N72-21244	* #	US-PATENT-CLASS-343-882	c 37	N86-25789	* #
US-PATENT-CLASS-343-357	c 04	N84-22546	* #	US-PATENT-CLASS-343-7.5	c 07	N72-21217	* #	US-PATENT-CLASS-343-883	c 07	N73-26117	* #
US-PATENT-CLASS-343-357	c 04	N86-27270	* #	US-PATENT-CLASS-343-7.5	c 09	N72-25247	* #	US-PATENT-CLASS-343-883	c 18	N80-14183	* #
US-PATENT-CLASS-343-376	c 33	N85-21493	* #	US-PATENT-CLASS-343-7.5	c 09	N72-31235	* #	US-PATENT-CLASS-343-883	c 37	N86-25791	* #
US-PATENT-CLASS-343-418	c 04	N86-27270	* #	US-PATENT-CLASS-343-7.5	c 07	N72-20141	* #	US-PATENT-CLASS-343-884	c 07	N71-27191	* #
US-PATENT-CLASS-343-460	c 46	N85-21846	* #	US-PATENT-CLASS-343-7.5	c 32	N81-25278	* #	US-PATENT-CLASS-343-889	c 07	N73-26117	* #
US-PATENT-CLASS-343-5CD	c 43	N86-19711	* #	US-PATENT-CLASS-343-7.5	c 07	N72-20141	* #	US-PATENT-CLASS-343-893	c 09	N72-21244	* #
US-PATENT-CLASS-343-5CM	c 32	N84-34651	* #	US-PATENT-CLASS-343-7.5	c 07	N71-12396	* #	US-PATENT-CLASS-343-893	c 07	N73-28013	* #
US-PATENT-CLASS-343-5CM	c 32	N85-34327	* #	US-PATENT-CLASS-343-7.5	c 07	N71-27233	* #	US-PATENT-CLASS-343-895	c 09	N73-19234	* #
US-PATENT-CLASS-343-5CM	c 43	N86-19711	* #	US-PATENT-CLASS-343-7.5	c 07	N72-25174	* #	US-PATENT-CLASS-343-895	c 07	N73-26117	* #
US-PATENT-CLASS-343-5DP	c 32	N84-34651	* #	US-PATENT-CLASS-343-7.5	c 07	N71-11285	* #	US-PATENT-CLASS-343-895	c 32	N80-23524	* #
US-PATENT-CLASS-343-5FT	c 32	N84-34651	* #	US-PATENT-CLASS-343-7.5	c 10	N72-22335	* #	US-PATENT-CLASS-343-895	c 32	N82-27558	* #
US-PATENT-CLASS-343-5VQ	c 43	N86-19711	* #	US-PATENT-CLASS-343-7							

REPORT NUMBER INDEX

US-PATENT-CLASS-356-108

US-PATENT-CLASS-343-915	c 09	N71-20658 *	US-PATENT-CLASS-350-19	c 14	N72-22441 *	US-PATENT-CLASS-350-320	c 74	N77-28933 *
US-PATENT-CLASS-343-915	c 07	N72-32169 *	US-PATENT-CLASS-350-1	c 23	N69-24332 *	US-PATENT-CLASS-350-320	c 44	N77-32583 *
US-PATENT-CLASS-343-915	c 07	N73-14130 *	US-PATENT-CLASS-350-1	c 07	N71-29065 *	US-PATENT-CLASS-350-320	c 73	N78-32848 *
US-PATENT-CLASS-343-915	c 07	N73-24176 *	US-PATENT-CLASS-350-1	c 16	N72-12440 *	US-PATENT-CLASS-350-320	c 44	N79-14529 *
US-PATENT-CLASS-343-915	c 32	N76-18295 *	US-PATENT-CLASS-350-1	c 24	N76-24363 *	US-PATENT-CLASS-350-320	c 74	N85-29749 *
US-PATENT-CLASS-343-915	c 33	N76-32457 *	US-PATENT-CLASS-350-1	c 74	N78-15879 *	US-PATENT-CLASS-350-321	c 74	N85-29750 *
US-PATENT-CLASS-343-9	c 32	N75-15854 *	US-PATENT-CLASS-350-202	c 23	N73-20741 *	US-PATENT-CLASS-350-335	c 74	N86-21348 *
US-PATENT-CLASS-343-9	c 32	N79-10264 *	US-PATENT-CLASS-350-202	c 74	N77-28932 *	US-PATENT-CLASS-350-342	c 76	N85-33826 *
US-PATENT-CLASS-346-107A	c 14	N72-18411 *	US-PATENT-CLASS-350-203	c 14	N72-25409 *	US-PATENT-CLASS-350-353	c 74	N83-19597 *
US-PATENT-CLASS-346-107	c 23	N71-23976 *	US-PATENT-CLASS-350-204	c 14	N73-30393 *	US-PATENT-CLASS-350-354	c 32	N86-20647 *
US-PATENT-CLASS-346-108	c 35	N74-15831 *	US-PATENT-CLASS-350-204	c 74	N78-17866 *	US-PATENT-CLASS-350-358	c 36	N82-29589 *
US-PATENT-CLASS-346-110	c 14	N73-32322 *	US-PATENT-CLASS-350-211	c 44	N76-14602 *	US-PATENT-CLASS-350-359	c 36	N80-16321 *
US-PATENT-CLASS-346-138	c 21	N73-13644 *	US-PATENT-CLASS-350-213	c 14	N71-15622 *	US-PATENT-CLASS-350-35	c 14	N72-22441 *
US-PATENT-CLASS-346-138	c 35	N74-15831 *	US-PATENT-CLASS-350-226	c 74	N80-27185 *	US-PATENT-CLASS-350-36	c 14	N72-22441 *
US-PATENT-CLASS-346-1	c 12	N71-20815 *	US-PATENT-CLASS-350-236	c 74	N74-15095 *	US-PATENT-CLASS-350-370	c 35	N81-33448 *
US-PATENT-CLASS-346-1	c 09	N72-21246 *	US-PATENT-CLASS-350-23	c 14	N72-22441 *	US-PATENT-CLASS-350-443	c 74	N84-23248 *
US-PATENT-CLASS-346-23	c 14	N72-18411 *	US-PATENT-CLASS-350-253	c 35	N77-27366 *	US-PATENT-CLASS-350-445	c 74	N83-36898 *
US-PATENT-CLASS-346-24	c 35	N74-15831 *	US-PATENT-CLASS-350-25	c 74	N80-21138 *	US-PATENT-CLASS-350-448	c 74	N86-20125 *
US-PATENT-CLASS-346-29	c 09	N72-21246 *	US-PATENT-CLASS-350-269	c 33	N74-20861 *	US-PATENT-CLASS-350-453	c 36	N82-32712 *
US-PATENT-CLASS-346-33R	c 35	N74-32877 *	US-PATENT-CLASS-350-26	c 14	N72-22441 *	US-PATENT-CLASS-350-486	c 74	N83-13978 *
US-PATENT-CLASS-346-44	c 09	N69-21467 *	US-PATENT-CLASS-350-270	c 70	N74-21300 *	US-PATENT-CLASS-350-49	c 14	N72-22441 *
US-PATENT-CLASS-346-50	c 14	N71-21006 *	US-PATENT-CLASS-350-275	c 09	N71-19479 *	US-PATENT-CLASS-350-505	c 74	N85-23396 *
US-PATENT-CLASS-346-74MD	c 21	N73-13644 *	US-PATENT-CLASS-350-276R	c 74	N86-20125 *	US-PATENT-CLASS-350-505	c 74	N86-28732 *
US-PATENT-CLASS-346-74MT	c 35	N79-16246 *	US-PATENT-CLASS-350-276R	c 74	N86-28732 *	US-PATENT-CLASS-350-52	c 14	N72-22441 *
US-PATENT-CLASS-346R	c 73	N77-18891 *	US-PATENT-CLASS-350-285	c 14	N71-15605 *	US-PATENT-CLASS-350-52	c 14	N72-22441 *
US-PATENT-CLASS-349	c 25	N79-28253 *	US-PATENT-CLASS-350-285	c 14	N71-17662 *	US-PATENT-CLASS-350-537	c 74	N86-20125 *
US-PATENT-CLASS-35-10.2	c 14	N71-15621 *	US-PATENT-CLASS-350-285	c 19	N71-26674 *	US-PATENT-CLASS-350-55	c 23	N71-33229 *
US-PATENT-CLASS-35-12C	c 14	N73-27377 *	US-PATENT-CLASS-350-285	c 15	N72-11386 *	US-PATENT-CLASS-350-55	c 14	N73-30393 *
US-PATENT-CLASS-35-12C	c 09	N75-15662 *	US-PATENT-CLASS-350-285	c 16	N73-33397 *	US-PATENT-CLASS-350-55	c 23	N73-30666 *
US-PATENT-CLASS-35-12C	c 74	N79-13855 *	US-PATENT-CLASS-350-285	c 74	N74-15095 *	US-PATENT-CLASS-350-55	c 89	N79-10969 *
US-PATENT-CLASS-35-12E	c 09	N74-30597 *	US-PATENT-CLASS-350-285	c 74	N80-21138 *	US-PATENT-CLASS-350-55	c 74	N80-33210 *
US-PATENT-CLASS-35-12E	c 09	N79-31228 *	US-PATENT-CLASS-350-286	c 07	N71-29065 *	US-PATENT-CLASS-350-580	c 74	N86-20125 *
US-PATENT-CLASS-35-12H	c 09	N79-31228 *	US-PATENT-CLASS-350-286	c 73	N78-32848 *	US-PATENT-CLASS-350-58	c 14	N71-15604 *
US-PATENT-CLASS-35-12N	c 09	N76-24280 *	US-PATENT-CLASS-350-286	c 74	N83-10900 *	US-PATENT-CLASS-350-6.5	c 32	N80-24510 *
US-PATENT-CLASS-35-12N	c 09	N78-18083 *	US-PATENT-CLASS-350-287	c 15	N72-11386 *	US-PATENT-CLASS-350-6.6	c 32	N80-24510 *
US-PATENT-CLASS-35-12N	c 74	N79-13855 *	US-PATENT-CLASS-350-287	c 74	N83-13978 *	US-PATENT-CLASS-350-619	c 74	N85-23396 *
US-PATENT-CLASS-35-12N	c 11	N70-34815 *	US-PATENT-CLASS-350-288	c 23	N71-29123 *	US-PATENT-CLASS-350-6	c 14	N69-27461 *
US-PATENT-CLASS-35-12	c 31	N70-34966 *	US-PATENT-CLASS-350-288	c 12	N76-15189 *	US-PATENT-CLASS-350-6	c 36	N74-15145 *
US-PATENT-CLASS-35-12	c 11	N71-10746 *	US-PATENT-CLASS-350-288	c 74	N77-28933 *	US-PATENT-CLASS-350-79	c 14	N72-32452 *
US-PATENT-CLASS-35-12	c 11	N71-10748 *	US-PATENT-CLASS-350-288	c 44	N79-11471 *	US-PATENT-CLASS-350-7	c 74	N74-15095 *
US-PATENT-CLASS-35-12	c 11	N71-10776 *	US-PATENT-CLASS-350-288	c 44	N79-24433 *	US-PATENT-CLASS-350-86	c 14	N72-22445 *
US-PATENT-CLASS-35-12	c 11	N71-18773 *	US-PATENT-CLASS-350-292	c 35	N75-12273 *	US-PATENT-CLASS-350-96.10	c 74	N84-11921 *
US-PATENT-CLASS-35-12	c 11	N71-19494 *	US-PATENT-CLASS-350-292	c 44	N79-14529 *	US-PATENT-CLASS-350-96.15	c 74	N84-11921 *
US-PATENT-CLASS-35-12	c 11	N71-21474 *	US-PATENT-CLASS-350-292	c 44	N79-24432 *	US-PATENT-CLASS-350-96.15	c 74	N85-29749 *
US-PATENT-CLASS-35-12	c 18	N76-14186 *	US-PATENT-CLASS-350-293	c 16	N73-16536 *	US-PATENT-CLASS-350-96.16	c 74	N83-29032 *
US-PATENT-CLASS-35-17	c 05	N71-24606 *	US-PATENT-CLASS-350-293	c 12	N76-15189 *	US-PATENT-CLASS-350-96.25	c 33	N81-29342 *
US-PATENT-CLASS-35-19	c 10	N71-27365 *	US-PATENT-CLASS-350-293	c 44	N76-24696 *	US-PATENT-CLASS-350-96R	c 60	N77-14751 *
US-PATENT-CLASS-35-22R	c 05	N73-13114 *	US-PATENT-CLASS-350-293	c 44	N78-10554 *	US-PATENT-CLASS-350-96R	c 60	N77-32731 *
US-PATENT-CLASS-35-29	c 11	N71-16028 *	US-PATENT-CLASS-350-294	c 44	N79-14529 *	US-PATENT-CLASS-350-96R	c 60	N78-10709 *
US-PATENT-CLASS-35-29	c 05	N71-28619 *	US-PATENT-CLASS-350-294	c 89	N79-10969 *	US-PATENT-CLASS-350-96WG	c 36	N75-31427 *
US-PATENT-CLASS-35-35A	c 71	N74-21014 *	US-PATENT-CLASS-350-294	c 44	N79-24432 *	US-PATENT-CLASS-350-96WG	c 36	N76-18428 *
US-PATENT-CLASS-35-45	c 14	N70-35394 *	US-PATENT-CLASS-350-294	c 32	N80-24510 *	US-PATENT-CLASS-350-96WG	c 36	N76-24553 *
US-PATENT-CLASS-35-49	c 12	N69-39988 *	US-PATENT-CLASS-350-295	c 44	N77-32583 *	US-PATENT-CLASS-350-96	c 07	N71-26291 *
US-PATENT-CLASS-35-8	c 05	N72-16015 *	US-PATENT-CLASS-350-295	c 44	N80-14473 *	US-PATENT-CLASS-351-166	c 74	N78-32854 *
US-PATENT-CLASS-350-100	c 36	N77-25501 *	US-PATENT-CLASS-350-296	c 44	N79-24432 *	US-PATENT-CLASS-351-23	c 05	N73-26072 *
US-PATENT-CLASS-350-102	c 23	N71-29123 *	US-PATENT-CLASS-350-296	c 44	N80-14473 *	US-PATENT-CLASS-351-23	c 52	N76-30793 *
US-PATENT-CLASS-350-102	c 36	N77-25501 *	US-PATENT-CLASS-350-299	c 74	N74-21304 *	US-PATENT-CLASS-351-30	c 05	N73-26072 *
US-PATENT-CLASS-350-138	c 23	N72-27728 *	US-PATENT-CLASS-350-299	c 44	N76-24696 *	US-PATENT-CLASS-351-30	c 52	N76-30793 *
US-PATENT-CLASS-350-145	c 74	N77-20882 *	US-PATENT-CLASS-350-299	c 74	N77-28932 *	US-PATENT-CLASS-351-36	c 05	N73-26072 *
US-PATENT-CLASS-350-147	c 14	N72-27409 *	US-PATENT-CLASS-350-299	c 44	N78-10554 *	US-PATENT-CLASS-351-36	c 52	N76-30793 *
US-PATENT-CLASS-350-150	c 26	N72-25680 *	US-PATENT-CLASS-350-299	c 44	N78-31526 *	US-PATENT-CLASS-351-38	c 54	N75-27759 *
US-PATENT-CLASS-350-150	c 36	N76-18427 *	US-PATENT-CLASS-350-299	c 44	N79-11471 *	US-PATENT-CLASS-352-169	c 14	N73-14427 *
US-PATENT-CLASS-350-151	c 36	N74-13205 *	US-PATENT-CLASS-350-299	c 44	N79-24433 *	US-PATENT-CLASS-352-171	c 35	N82-26628 *
US-PATENT-CLASS-350-151	c 35	N78-29421 *	US-PATENT-CLASS-350-299	c 36	N84-14509 *	US-PATENT-CLASS-352-84	c 16	N71-33410 *
US-PATENT-CLASS-350-157	c 74	N79-14891 *	US-PATENT-CLASS-350-2	c 23	N71-30027 *	US-PATENT-CLASS-352-84	c 14	N72-18411 *
US-PATENT-CLASS-350-159	c 74	N78-17865 *	US-PATENT-CLASS-350-3.5	c 16	N71-15551 *	US-PATENT-CLASS-353-54	c 34	N74-23066 *
US-PATENT-CLASS-350-160R	c 14	N72-25410 *	US-PATENT-CLASS-350-3.5	c 16	N71-15565 *	US-PATENT-CLASS-353-61	c 34	N74-23066 *
US-PATENT-CLASS-350-160R	c 26	N72-25680 *	US-PATENT-CLASS-350-3.5	c 16	N71-15567 *	US-PATENT-CLASS-354-118	c 74	N81-17886 *
US-PATENT-CLASS-350-160	c 36	N76-18427 *	US-PATENT-CLASS-350-3.5	c 16	N71-26154 *	US-PATENT-CLASS-354-217	c 35	N82-26628 *
US-PATENT-CLASS-350-161	c 26	N72-27784 *	US-PATENT-CLASS-350-3.5	c 16	N71-29131 *	US-PATENT-CLASS-354-234	c 33	N74-20861 *
US-PATENT-CLASS-350-161	c 36	N75-31427 *	US-PATENT-CLASS-350-3.5	c 14	N72-17324 *	US-PATENT-CLASS-354-234	c 70	N74-21300 *
US-PATENT-CLASS-350-162R	c 74	N80-21140 *	US-PATENT-CLASS-350-3.5	c 16	N73-30476 *	US-PATENT-CLASS-354-289	c 35	N82-26628 *
US-PATENT-CLASS-350-162SF	c 23	N73-30666 *	US-PATENT-CLASS-350-3.5	c 35	N74-15146 *	US-PATENT-CLASS-354-479	c 74	N86-28732 *
US-PATENT-CLASS-350-162SF	c 74	N76-31998 *	US-PATENT-CLASS-350-3.5	c 35	N74-17153 *	US-PATENT-CLASS-354-77	c 74	N79-20856 *
US-PATENT-CLASS-350-162SF	c 74	N77-28932 *	US-PATENT-CLASS-350-3.5	c 35	N74-26946 *	US-PATENT-CLASS-355-18	c 14	N73-33361 *
US-PATENT-CLASS-350-162SF	c 36	N77-32478 *	US-PATENT-CLASS-350-3.5	c 35	N75-25124 *	US-PATENT-CLASS-355-103	c 14	N71-28994 *
US-PATENT-CLASS-350-162	c 14	N72-17323 *	US-PATENT-CLASS-350-3.5	c 35	N75-27328 *	US-PATENT-CLASS-356-103	c 36	N75-15028 *
US-PATENT-CLASS-350-165	c 27	N78-31233 *	US-PATENT-CLASS-350-3.5	c 35	N76-18402 *	US-PATENT-CLASS-356-103	c 74	N78-13874 *
US-PATENT-CLASS-350-166	c 44	N83-34448 *	US-PATENT-CLASS-350-3.5	c 35	N78-17357 *	US-PATENT-CLASS-356-104	c 16	N71-24074 *
US-PATENT-CLASS-350-168	c 74	N85-23396 *	US-PATENT-CLASS-350-3.5	c 38	N78-32447 *	US-PATENT-CLASS-356-104	c 74	N78-13874 *
US-PATENT-CLASS-350-16	c 14	N72-22444 *	US-PATENT-CLASS-350-301	c 74	N81-17886 *	US-PATENT-CLASS-356-106LR	c 36	N75-19653 *
US-PATENT-CLASS-350-170	c 73	N78-32848 *	US-PATENT-CLASS-350-310	c 11	N69-24321 *	US-PATENT-CLASS-356-106R	c 72	N74-19310 *
US-PATENT-CLASS-350-170	c 74	N83-10900 *	US-PATENT-CLASS-350-310	c 23	N71-24868 *	US-PATENT-CLASS-356-106R	c 36	N76-14447 *
US-PATENT-CLASS-350-171	c 23	N72-23695 *	US-PATENT-CLASS-350-310	c 23	N71-29123 *	US-PATENT-CLASS-356-106R	c 35	N77-10493 *
US-PATENT-CLASS-350-171	c 74	N83-17305 *	US-PATENT-CLASS-350-310	c 23	N71-33229 *	US-PATENT-CLASS-356-106S	c 47	N77-10753 *
US-PATENT-CLASS-350-172	c 74	N84-23248 *	US-PATENT-CLASS-350-310	c 23	N72-22673 *	US-PATENT-CLASS-356-106S	c 23	N73-13661 *
US-PATENT-CLASS-350-173	c 73	N78-32848 *	US-PATENT-CLASS-350-310	c 74	N77-28933 *	US-PATENT-CLASS-356-106S	c 35	N76-31490 *
US-PATENT-CLASS-350-173	c 74	N83-36898 *	US-PATENT-CLASS-350-311	c 74	N75-25706 *	US-PATENT-CLASS-356-106S	c 35	N78-18391 *
US-PATENT-CLASS-350-173	c 74	N84-23248 *	US-PATENT-CLASS-350-312	c 16	N72-12440 *	US-PATENT-CLASS-356-106S	c 35	N74-23040 *
US-PATENT-CLASS-350-174	c 74	N77-20882 *	US-PATENT-CLASS-350-312	c 74	N85-29750 *	US-PATENT-CLASS-356-106	c 14	N71-17627 *
US-PATENT-CLASS-350-174	c 73	N78-32848 *	US-PATENT-CLASS-350-315	c 74	N86-29650 *	US-PATENT-CLASS-356-106	c 14	N71-17655 *
US-PATENT-CLASS-350-175E	c 74	N80-27185 *	US-PATENT-CLASS-350-316	c 27	N83-36220 *	US-PATENT-CLASS-356-106	c 14	N71-27215 *
US-PATENT-CLASS-350-175FS	c 14	N72-25414 *	US-PATENT-CLASS-350-318	c 74	N86-29650 *	US-PATENT-CLASS-356-106	c 14	N73-12446 *
US-PATENT-CLASS-350-175NG	c 27	N78-31233 *	US-PATENT-CLASS-350-319	c 74	N85-29750 *	US-PATENT-CLASS-356-106	c 35	N74-15146 *
US-PATENT-CLASS-350-189	c 23	N71-24857 *	US-PATENT-CLASS-350-319	c 74	N86-20125 *	US-PATENT-CLASS-356-107	c 16	N71-24170 *
US-PATENT-CLASS-350-199	c 14	N73-30393 *	US-PATENT-CLASS-350-319	c 09	N87-14355 *	US-PATENT-CLASS-356-108	c 26	N77-26751 *

US-PATENT-CLASS-356-108	c 16	N73-30476 *	#	US-PATENT-CLASS-356-241	c 14	N72-32452 *	#	US-PATENT-CLASS-356-5	c 74	N85-34629 *	#
US-PATENT-CLASS-356-109	c 16	N73-30476 *	#	US-PATENT-CLASS-356-243	c 36	N80-16321 *	#	US-PATENT-CLASS-356-5	c 74	N86-32266 *	#
US-PATENT-CLASS-356-110	c 14	N73-25463 *	#	US-PATENT-CLASS-356-244	c 14	N72-17323 *	#	US-PATENT-CLASS-356-5	c 32	N87-14559 *	#
US-PATENT-CLASS-356-110	c 35	N78-18391 *	#	US-PATENT-CLASS-356-244	c 35	N76-31490 *	#	US-PATENT-CLASS-356-71	c 66	N76-19888 *	#
US-PATENT-CLASS-356-112	c 72	N74-19310 *	#	US-PATENT-CLASS-356-244	c 35	N80-28687 *	#	US-PATENT-CLASS-356-72	c 14	N71-23268 *	#
US-PATENT-CLASS-356-113	c 14	N72-17323 *	#	US-PATENT-CLASS-356-244	c 74	N86-26190 *	#	US-PATENT-CLASS-356-72	c 33	N73-27796 *	#
US-PATENT-CLASS-356-113	c 35	N74-23040 *	#	US-PATENT-CLASS-356-246	c 35	N74-27860 *	#	US-PATENT-CLASS-356-72	c 38	N78-32447 *	#
US-PATENT-CLASS-356-114	c 14	N73-12446 *	#	US-PATENT-CLASS-356-246	c 74	N78-17867 *	#	US-PATENT-CLASS-356-72	c 74	N80-33210 *	#
US-PATENT-CLASS-356-114	c 35	N76-31490 *	#	US-PATENT-CLASS-356-246	c 74	N87-14971 *	#	US-PATENT-CLASS-356-72	c 35	N86-32697 *	#
US-PATENT-CLASS-356-117	c 23	N71-16101 *	#	US-PATENT-CLASS-356-248	c 14	N72-22444 *	#	US-PATENT-CLASS-356-73	c 75	N74-30156 *	#
US-PATENT-CLASS-356-120	c 74	N78-27904 *	#	US-PATENT-CLASS-356-28.5	c 32	N80-24510 *	#	US-PATENT-CLASS-356-73	c 38	N78-32447 *	#
US-PATENT-CLASS-356-123	c 74	N76-19935 *	#	US-PATENT-CLASS-356-28.5	c 36	N81-24422 *	#	US-PATENT-CLASS-356-73	c 35	N84-33766 *	#
US-PATENT-CLASS-356-124	c 74	N76-19935 *	#	US-PATENT-CLASS-356-28.5	c 36	N82-32712 *	#	US-PATENT-CLASS-356-73	c 09	N86-32447 *	#
US-PATENT-CLASS-356-124	c 74	N79-11865 *	#	US-PATENT-CLASS-356-28.5	c 35	N86-32697 *	#	US-PATENT-CLASS-356-73	c 35	N86-32697 *	#
US-PATENT-CLASS-356-129	c 74	N79-20856 *	#	US-PATENT-CLASS-356-28.5	c 35	N87-14669 *	#	US-PATENT-CLASS-356-74	c 30	N71-15990 *	#
US-PATENT-CLASS-356-138	c 14	N72-20379 *	#	US-PATENT-CLASS-356-28.5	c 36	N87-17026 *	#	US-PATENT-CLASS-356-74	c 35	N84-33766 *	#
US-PATENT-CLASS-356-138	c 16	N73-33397 *	#	US-PATENT-CLASS-356-28	c 21	N71-19212 *	#	US-PATENT-CLASS-356-76	c 23	N71-26206 *	#
US-PATENT-CLASS-356-141	c 14	N72-27409 *	#	US-PATENT-CLASS-356-28	c 16	N71-24828 *	#	US-PATENT-CLASS-356-76	c 14	N71-29041 *	#
US-PATENT-CLASS-356-141	c 14	N73-28490 *	#	US-PATENT-CLASS-356-28	c 72	N74-19310 *	#	US-PATENT-CLASS-356-83	c 35	N75-19613 *	#
US-PATENT-CLASS-356-141	c 36	N74-21091 *	#	US-PATENT-CLASS-356-28	c 36	N75-15028 *	#	US-PATENT-CLASS-356-85	c 37	N74-18123 *	#
US-PATENT-CLASS-356-141	c 89	N74-30886 *	#	US-PATENT-CLASS-356-28	c 35	N75-16783 *	#	US-PATENT-CLASS-356-85	c 75	N74-30156 *	#
US-PATENT-CLASS-356-141	c 74	N77-22951 *	#	US-PATENT-CLASS-356-28	c 36	N76-14447 *	#	US-PATENT-CLASS-356-87	c 75	N74-30156 *	#
US-PATENT-CLASS-356-147	c 89	N74-30886 *	#	US-PATENT-CLASS-356-28	c 36	N77-25501 *	#	US-PATENT-CLASS-356-96	c 35	N75-19613 *	#
US-PATENT-CLASS-356-148	c 16	N73-33397 *	#	US-PATENT-CLASS-356-28	c 74	N78-17866 *	#	US-PATENT-CLASS-356-97	c 35	N77-14411 *	#
US-PATENT-CLASS-356-150	c 15	N71-28740 *	#	US-PATENT-CLASS-356-28	c 35	N79-18296 *	#	US-PATENT-CLASS-357-12	c 33	N85-21492 *	#
US-PATENT-CLASS-356-150	c 74	N80-21138 *	#	US-PATENT-CLASS-356-28	c 36	N80-16321 *	#	US-PATENT-CLASS-357-15	c 44	N78-13526 *	#
US-PATENT-CLASS-356-152	c 15	N71-28740 *	#	US-PATENT-CLASS-356-28	c 36	N87-17026 *	#	US-PATENT-CLASS-357-15	c 44	N79-11467 *	#
US-PATENT-CLASS-356-152	c 16	N72-13437 *	#	US-PATENT-CLASS-356-300	c 43	N79-17288 *	#	US-PATENT-CLASS-357-15	c 44	N81-29525 *	#
US-PATENT-CLASS-356-152	c 14	N72-20379 *	#	US-PATENT-CLASS-356-301	c 35	N87-14669 *	#	US-PATENT-CLASS-357-15	c 76	N86-20150 *	#
US-PATENT-CLASS-356-152	c 14	N72-27409 *	#	US-PATENT-CLASS-356-311	c 35	N86-25753 *	#	US-PATENT-CLASS-357-16	c 44	N78-13526 *	#
US-PATENT-CLASS-356-152	c 14	N73-25462 *	#	US-PATENT-CLASS-356-318	c 35	N86-25753 *	#	US-PATENT-CLASS-357-16	c 44	N79-11467 *	#
US-PATENT-CLASS-356-152	c 36	N74-15145 *	#	US-PATENT-CLASS-356-323	c 74	N85-23396 *	#	US-PATENT-CLASS-357-17	c 36	N85-30305 *	#
US-PATENT-CLASS-356-152	c 36	N74-21091 *	#	US-PATENT-CLASS-356-328	c 35	N80-26635 *	#	US-PATENT-CLASS-357-22	c 33	N79-11314 *	#
US-PATENT-CLASS-356-152	c 74	N74-21304 *	#	US-PATENT-CLASS-356-32	c 14	N72-11364 *	#	US-PATENT-CLASS-357-22	c 33	N79-12321 *	#
US-PATENT-CLASS-356-152	c 74	N77-22951 *	#	US-PATENT-CLASS-356-32	c 32	N73-20740 *	#	US-PATENT-CLASS-357-23.12	c 76	N87-13313 *	#
US-PATENT-CLASS-356-152	c 74	N80-21138 *	#	US-PATENT-CLASS-356-32	c 39	N81-25400 *	#	US-PATENT-CLASS-357-23.1	c 76	N87-13313 *	#
US-PATENT-CLASS-356-152	c 37	N81-27519 *	#	US-PATENT-CLASS-356-330	c 74	N85-23396 *	#	US-PATENT-CLASS-357-23.6	c 33	N86-19516 *	#
US-PATENT-CLASS-356-153	c 15	N71-28740 *	#	US-PATENT-CLASS-356-331	c 74	N85-23396 *	#	US-PATENT-CLASS-357-23	c 76	N75-25730 *	#
US-PATENT-CLASS-356-153	c 23	N71-29125 *	#	US-PATENT-CLASS-356-334	c 74	N80-21140 *	#	US-PATENT-CLASS-357-23	c 33	N79-12321 *	#
US-PATENT-CLASS-356-153	c 16	N73-33397 *	#	US-PATENT-CLASS-356-345	c 74	N81-17888 *	#	US-PATENT-CLASS-357-23	c 33	N81-26360 *	#
US-PATENT-CLASS-356-153	c 18	N76-14186 *	#	US-PATENT-CLASS-356-345	c 74	N81-29963 *	#	US-PATENT-CLASS-357-24	c 33	N75-31331 *	#
US-PATENT-CLASS-356-154	c 15	N71-26673 *	#	US-PATENT-CLASS-356-345	c 36	N84-14509 *	#	US-PATENT-CLASS-357-29	c 76	N75-25730 *	#
US-PATENT-CLASS-356-159	c 36	N78-14380 *	#	US-PATENT-CLASS-356-346	c 74	N86-21348 *	#	US-PATENT-CLASS-357-29	c 35	N84-33766 *	#
US-PATENT-CLASS-356-160	c 36	N78-14380 *	#	US-PATENT-CLASS-356-346	c 35	N80-20563 *	#	US-PATENT-CLASS-357-29	c 76	N87-13313 *	#
US-PATENT-CLASS-356-161	c 26	N73-26751 *	#	US-PATENT-CLASS-356-346	c 74	N81-29963 *	#	US-PATENT-CLASS-357-30	c 44	N76-28635 *	#
US-PATENT-CLASS-356-162	c 66	N76-19888 *	#	US-PATENT-CLASS-356-347	c 35	N84-22929 *	#	US-PATENT-CLASS-357-30	c 44	N78-13526 *	#
US-PATENT-CLASS-356-165	c 38	N78-17396 *	#	US-PATENT-CLASS-356-349	c 36	N82-16396 *	#	US-PATENT-CLASS-357-30	c 44	N78-24609 *	#
US-PATENT-CLASS-356-166	c 14	N71-23175 *	#	US-PATENT-CLASS-356-350	c 35	N81-33448 *	#	US-PATENT-CLASS-357-30	c 44	N78-25527 *	#
US-PATENT-CLASS-356-167	c 14	N72-11364 *	#	US-PATENT-CLASS-356-351	c 35	N81-33448 *	#	US-PATENT-CLASS-357-30	c 44	N79-11467 *	#
US-PATENT-CLASS-356-167	c 66	N76-19888 *	#	US-PATENT-CLASS-356-351	c 35	N85-30282 *	#	US-PATENT-CLASS-357-30	c 44	N79-14528 *	#
US-PATENT-CLASS-356-167	c 74	N78-27904 *	#	US-PATENT-CLASS-356-352	c 74	N81-17888 *	#	US-PATENT-CLASS-357-30	c 44	N79-31752 *	#
US-PATENT-CLASS-356-169	c 60	N78-10709 *	#	US-PATENT-CLASS-356-353	c 74	N83-32577 *	#	US-PATENT-CLASS-357-30	c 44	N80-29835 *	#
US-PATENT-CLASS-356-171	c 74	N77-22950 *	#	US-PATENT-CLASS-356-356	c 36	N81-24422 *	#	US-PATENT-CLASS-357-30	c 44	N81-19558 *	#
US-PATENT-CLASS-356-172	c 16	N73-33397 *	#	US-PATENT-CLASS-356-357	c 74	N83-21949 *	#	US-PATENT-CLASS-357-30	c 44	N81-29525 *	#
US-PATENT-CLASS-356-172	c 36	N74-21091 *	#	US-PATENT-CLASS-356-358	c 74	N81-17888 *	#	US-PATENT-CLASS-357-30	c 44	N82-26777 *	#
US-PATENT-CLASS-356-172	c 74	N77-22951 *	#	US-PATENT-CLASS-356-358	c 36	N81-24422 *	#	US-PATENT-CLASS-357-30	c 44	N82-29709 *	#
US-PATENT-CLASS-356-17	c 14	N72-21409 *	#	US-PATENT-CLASS-356-358	c 35	N85-30282 *	#	US-PATENT-CLASS-357-30	c 44	N82-31764 *	#
US-PATENT-CLASS-356-180	c 35	N74-27860 *	#	US-PATENT-CLASS-356-363	c 74	N83-32577 *	#	US-PATENT-CLASS-357-30	c 44	N83-13579 *	#
US-PATENT-CLASS-356-186	c 35	N75-19613 *	#	US-PATENT-CLASS-356-369	c 35	N80-28687 *	#	US-PATENT-CLASS-357-30	c 44	N83-32177 *	#
US-PATENT-CLASS-356-188	c 35	N84-33766 *	#	US-PATENT-CLASS-356-36	c 23	N71-16365 *	#	US-PATENT-CLASS-357-30	c 35	N84-33766 *	#
US-PATENT-CLASS-356-189	c 35	N75-19613 *	#	US-PATENT-CLASS-356-37	c 45	N76-21742 *	#	US-PATENT-CLASS-357-30	c 33	N85-21492 *	#
US-PATENT-CLASS-356-189	c 35	N84-33766 *	#	US-PATENT-CLASS-356-386	c 36	N82-16396 *	#	US-PATENT-CLASS-357-30	c 44	N85-21768 *	#
US-PATENT-CLASS-356-18	c 14	N72-21409 *	#	US-PATENT-CLASS-356-389	c 33	N87-14594 *	#	US-PATENT-CLASS-357-30	c 44	N85-30475 *	#
US-PATENT-CLASS-356-197	c 37	N74-18123 *	#	US-PATENT-CLASS-356-394	c 33	N83-18996 *	#	US-PATENT-CLASS-357-30	c 33	N86-19516 *	#
US-PATENT-CLASS-356-199	c 36	N78-14380 *	#	US-PATENT-CLASS-356-4	c 74	N86-21348 *	#	US-PATENT-CLASS-357-30	c 76	N86-20150 *	#
US-PATENT-CLASS-356-1	c 36	N83-34304 *	#	US-PATENT-CLASS-356-4.5	c 74	N86-32266 *	#	US-PATENT-CLASS-357-30	c 44	N86-32585 *	#
US-PATENT-CLASS-356-201	c 75	N74-30156 *	#	US-PATENT-CLASS-356-402	c 74	N86-29650 *	#	US-PATENT-CLASS-357-30	c 76	N87-13313 *	#
US-PATENT-CLASS-356-201	c 35	N77-14411 *	#	US-PATENT-CLASS-356-404	c 35	N79-28527 *	#	US-PATENT-CLASS-357-32	c 35	N84-33766 *	#
US-PATENT-CLASS-356-202	c 26	N73-26751 *	#	US-PATENT-CLASS-356-406	c 52	N81-27783 *	#	US-PATENT-CLASS-357-40	c 36	N85-30305 *	#
US-PATENT-CLASS-356-203	c 14	N71-26788 *	#	US-PATENT-CLASS-356-407	c 43	N79-17288 *	#	US-PATENT-CLASS-357-41	c 33	N79-12321 *	#
US-PATENT-CLASS-356-204	c 35	N77-14411 *	#	US-PATENT-CLASS-356-407	c 52	N81-27783 *	#	US-PATENT-CLASS-357-42	c 76	N75-25730 *	#
US-PATENT-CLASS-356-204	c 74	N78-17867 *	#	US-PATENT-CLASS-356-416	c 43	N79-17288 *	#	US-PATENT-CLASS-357-45	c 33	N79-12321 *	#
US-PATENT-CLASS-356-207	c 45	N76-17656 *	#	US-PATENT-CLASS-356-416	c 52	N81-27783 *	#	US-PATENT-CLASS-357-45	c 44	N79-26475 *	#
US-PATENT-CLASS-356-208	c 74	N78-33913 *	#	US-PATENT-CLASS-356-419	c 74	N86-29650 *	#	US-PATENT-CLASS-357-46	c 36	N85-30305 *	#
US-PATENT-CLASS-356-209	c 23	N71-16341 *	#	US-PATENT-CLASS-356-432	c 74	N81-17887 *	#	US-PATENT-CLASS-357-4	c 33	N78-13320 *	#
US-PATENT-CLASS-356-209	c 14	N71-28993 *	#	US-PATENT-CLASS-356-432	c 25	N81-25159 *	#	US-PATENT-CLASS-357-50	c 76	N85-30922 *	#
US-PATENT-CLASS-356-209	c 14	N72-17323 *	#	US-PATENT-CLASS-356-434	c 35	N84-34705 *	#	US-PATENT-CLASS-357-50	c 76	N85-30922 *	#
US-PATENT-CLASS-356-209	c 35	N76-31490 *	#	US-PATENT-CLASS-356-437	c 25	N81-14015 *	#	US-PATENT-CLASS-357-52	c 76	N75-25730 *	#
US-PATENT-CLASS-356-210	c 74	N79-11865 *	#	US-PATENT-CLASS-356-43	c 74	N74-15095 *	#	US-PATENT-CLASS-357-52	c 44	N80-29835 *	#
US-PATENT-CLASS-356-212	c 35	N77-31465 *	#	US-PATENT-CLASS-356-43	c 75	N74-30156 *	#	US-PATENT-CLASS-357-52	c 76	N87-13313 *	#
US-PATENT-CLASS-356-213	c 39	N81-25400 *	#	US-PATENT-CLASS-356-43	c 36	N85-21639 *	#	US-PATENT-CLASS-357-54	c 76	N75-25730 *	#
US-PATENT-CLASS-356-216	c 74	N74-15095 *	#	US-PATENT-CLASS-356-446	c 74	N86-26190 *	#	US-PATENT-CLASS-357-55	c 33	N79-12321 *	#
US-PATENT-CLASS-356-216	c 35	N80-18359 *	#	US-PATENT-CLASS-356-45	c 36	N85-21639 *	#	US-PATENT-CLASS-357-55	c 33	N81-26360 *	#
US-PATENT-CLASS-356-216	c 39	N81-25400 *	#	US-PATENT-CLASS-356-4	c 14	N72-17326 *	#	US-PATENT-CLASS-357-58	c 33	N86-19516 *	#
US-PATENT-CLASS-356-216	c 35	N84-22931 *	#	US-PATENT-CLASS-356-4	c 07	N73-26119 *	#	US-PATENT-CLASS-357-59	c 44	N78-24609 *	#
US-PATENT-CLASS-356-222	c 03	N72-20033 *	#	US-PATENT-CLASS-356-4	c 36	N74-15145 *	#	US-PATENT-CLASS-357-59	c 44	N81-19558 *	#
US-PATENT-CLASS-356-222	c 47	N83-32232 *	#	US-PATENT-CLASS-356-4	c 35	N75-15014 *	#	US-PATENT-CLASS-357-59	c 33	N86-19516 *	#
US-PATENT-CLASS-356-234	c 39	N81-25400 *	#	US-PATENT-CLASS-356-4	c 36	N83-34304 *	#	US-PATENT-CLASS-357-59	c 33	N75-31332 *	#
US-PATENT-CLASS-356-234	c 35	N84-22931 *	#	US-PATENT-CLASS-356-51	c 06	N					

REPORT NUMBER INDEX

US-PATENT-CLASS-39-25.35

US-PATENT-CLASS-357-65	c 44	N79-31752 *	#	US-PATENT-CLASS-363-53	c 33	N77-30365 *	#	US-PATENT-CLASS-368-201	c 33	N83-36357 *	#
US-PATENT-CLASS-357-67	c 44	N78-25527 *	#	US-PATENT-CLASS-363-54	c 33	N83-34190 *	#	US-PATENT-CLASS-368-47	c 33	N81-14221 *	#
US-PATENT-CLASS-357-67	c 44	N79-11467 *	#	US-PATENT-CLASS-363-56	c 33	N79-24254 *	#	US-PATENT-CLASS-37N	c 27	N81-15104 *	#
US-PATENT-CLASS-357-67	c 44	N79-31752 *	#	US-PATENT-CLASS-363-56	c 33	N81-14220 *	#	US-PATENT-CLASS-370-100	c 60	N82-16747 *	#
US-PATENT-CLASS-357-73	c 33	N78-13320 *	#	US-PATENT-CLASS-363-56	c 33	N81-33404 *	#	US-PATENT-CLASS-370-58	c 60	N81-27814 *	#
US-PATENT-CLASS-357-74	c 37	N79-28549 *	#	US-PATENT-CLASS-363-57	c 33	N78-10377 *	#	US-PATENT-CLASS-370-67	c 33	N82-29538 *	#
US-PATENT-CLASS-357-79	c 37	N79-28549 *	#	US-PATENT-CLASS-363-60	c 33	N78-32341 *	#	US-PATENT-CLASS-370-85	c 33	N81-14221 *	#
US-PATENT-CLASS-357-7	c 33	N75-31331 *	#	US-PATENT-CLASS-363-60	c 44	N81-12542 *	#	US-PATENT-CLASS-371-20	c 33	N81-26359 *	#
US-PATENT-CLASS-357-81	c 37	N79-28549 *	#	US-PATENT-CLASS-363-61	c 33	N82-18494 *	#	US-PATENT-CLASS-371-25	c 33	N81-26359 *	#
US-PATENT-CLASS-357-83	c 37	N79-28549 *	#	US-PATENT-CLASS-363-61	c 33	N85-29147 *	#	US-PATENT-CLASS-371-63	c 17	N87-16863 *	#
US-PATENT-CLASS-357-91	c 76	N75-25730 *	#	US-PATENT-CLASS-363-65	c 33	N84-16453 *	#	US-PATENT-CLASS-371-68	c 60	N82-29013 *	#
US-PATENT-CLASS-357-91	c 33	N78-27326 *	#	US-PATENT-CLASS-363-67	c 33	N84-16453 *	#	US-PATENT-CLASS-371-6	c 32	N83-13323 *	#
US-PATENT-CLASS-357-91	c 44	N80-29835 *	#	US-PATENT-CLASS-363-70	c 33	N77-30365 *	#	US-PATENT-CLASS-372-100	c 36	N84-14509 *	#
US-PATENT-CLASS-357-91	c 33	N81-26360 *	#	US-PATENT-CLASS-363-71	c 33	N79-24254 *	#	US-PATENT-CLASS-372-103	c 36	N84-28065 *	#
US-PATENT-CLASS-357-91	c 44	N86-32875 *	#	US-PATENT-CLASS-363-71	c 33	N81-14220 *	#	US-PATENT-CLASS-372-108	c 36	N84-14509 *	#
US-PATENT-CLASS-358-101	c 37	N86-21850 *	#	US-PATENT-CLASS-363-71	c 33	N81-14220 *	#	US-PATENT-CLASS-372-20	c 36	N84-22943 *	#
US-PATENT-CLASS-358-104	c 09	N78-18083 *	#	US-PATENT-CLASS-363-71	c 33	N84-16453 *	#	US-PATENT-CLASS-372-25	c 33	N83-34189 *	#
US-PATENT-CLASS-358-104	c 74	N79-13855 *	#	US-PATENT-CLASS-363-71	c 33	N85-29147 *	#	US-PATENT-CLASS-372-28	c 36	N84-22943 *	#
US-PATENT-CLASS-358-104	c 36	N83-34304 *	#	US-PATENT-CLASS-363-78	c 33	N81-14220 *	#	US-PATENT-CLASS-372-32	c 33	N85-34333 *	#
US-PATENT-CLASS-358-105	c 39	N83-20280 *	#	US-PATENT-CLASS-363-87	c 33	N83-10345 *	#	US-PATENT-CLASS-372-38	c 36	N85-30305 *	#
US-PATENT-CLASS-358-105	c 74	N86-21348 *	#	US-PATENT-CLASS-363-89	c 33	N78-10377 *	#	US-PATENT-CLASS-372-46	c 36	N85-30305 *	#
US-PATENT-CLASS-358-106	c 39	N78-16387 *	#	US-PATENT-CLASS-363-97	c 33	N79-24254 *	#	US-PATENT-CLASS-372-4	c 36	N84-28065 *	#
US-PATENT-CLASS-358-107	c 35	N79-18296 *	#	US-PATENT-CLASS-364-106	c 07	N81-19115 *	#	US-PATENT-CLASS-372-50	c 36	N85-30305 *	#
US-PATENT-CLASS-358-109	c 32	N79-20297 *	#	US-PATENT-CLASS-364-120	c 52	N79-12694 *	#	US-PATENT-CLASS-372-55	c 36	N84-16542 *	#
US-PATENT-CLASS-358-109	c 33	N81-33403 *	#	US-PATENT-CLASS-364-200	c 62	N81-24779 *	#	US-PATENT-CLASS-372-56	c 36	N82-28616 *	#
US-PATENT-CLASS-358-109	c 43	N82-13465 *	#	US-PATENT-CLASS-364-200	c 60	N81-27814 *	#	US-PATENT-CLASS-372-56	c 36	N83-10417 *	#
US-PATENT-CLASS-358-109	c 36	N83-34304 *	#	US-PATENT-CLASS-364-200	c 60	N83-25378 *	#	US-PATENT-CLASS-372-58	c 36	N82-28616 *	#
US-PATENT-CLASS-358-109	c 32	N85-29117 *	#	US-PATENT-CLASS-364-200	c 60	N83-32342 *	#	US-PATENT-CLASS-372-59	c 36	N83-10417 *	#
US-PATENT-CLASS-358-111	c 52	N79-10724 *	#	US-PATENT-CLASS-364-200	c 32	N85-21428 *	#	US-PATENT-CLASS-372-60	c 36	N83-10417 *	#
US-PATENT-CLASS-358-125	c 74	N84-23247 *	#	US-PATENT-CLASS-364-200	c 60	N85-21992 *	#	US-PATENT-CLASS-372-61	c 74	N87-14971 *	#
US-PATENT-CLASS-358-125	c 74	N86-21348 *	#	US-PATENT-CLASS-364-300	c 52	N79-12694 *	#	US-PATENT-CLASS-372-71	c 36	N84-28065 *	#
US-PATENT-CLASS-358-133	c 32	N77-24328 *	#	US-PATENT-CLASS-364-400	c 33	N85-29142 *	#	US-PATENT-CLASS-372-74	c 35	N84-12444 *	#
US-PATENT-CLASS-358-133	c 32	N85-29117 *	#	US-PATENT-CLASS-364-413	c 39	N83-20280 *	#	US-PATENT-CLASS-372-79	c 36	N84-16542 *	#
US-PATENT-CLASS-358-138	c 32	N77-24328 *	#	US-PATENT-CLASS-364-415	c 52	N79-12694 *	#	US-PATENT-CLASS-372-79	c 36	N86-29204 *	#
US-PATENT-CLASS-358-138	c 74	N78-14889 *	#	US-PATENT-CLASS-364-415	c 35	N84-12444 *	#	US-PATENT-CLASS-372-82	c 36	N82-28616 *	#
US-PATENT-CLASS-358-142	c 32	N85-21427 *	#	US-PATENT-CLASS-364-417	c 52	N79-10724 *	#	US-PATENT-CLASS-372-93	c 36	N84-14509 *	#
US-PATENT-CLASS-358-146	c 74	N78-14889 *	#	US-PATENT-CLASS-364-431	c 07	N81-19115 *	#	US-PATENT-CLASS-372-93	c 36	N84-28065 *	#
US-PATENT-CLASS-358-161	c 32	N85-21427 *	#	US-PATENT-CLASS-364-433	c 06	N86-27280 *	#	US-PATENT-CLASS-372-94	c 36	N84-14509 *	#
US-PATENT-CLASS-358-168	c 32	N86-20647 *	#	US-PATENT-CLASS-364-434	c 08	N79-23097 *	#	US-PATENT-CLASS-372-95	c 36	N84-28065 *	#
US-PATENT-CLASS-358-174	c 32	N85-21427 *	#	US-PATENT-CLASS-364-434	c 08	N81-24106 *	#	US-PATENT-CLASS-372-98	c 36	N84-14509 *	#
US-PATENT-CLASS-358-213	c 33	N81-33403 *	#	US-PATENT-CLASS-364-435	c 06	N86-27280 *	#	US-PATENT-CLASS-374-115	c 35	N86-19580 *	#
US-PATENT-CLASS-358-213	c 33	N82-24416 *	#	US-PATENT-CLASS-364-435	c 06	N84-27713 *	#	US-PATENT-CLASS-374-117	c 52	N85-30618 *	#
US-PATENT-CLASS-358-213	c 74	N84-23247 *	#	US-PATENT-CLASS-364-452	c 04	N81-29152 *	#	US-PATENT-CLASS-374-120	c 35	N86-19580 *	#
US-PATENT-CLASS-358-217	c 32	N85-21427 *	#	US-PATENT-CLASS-364-453	c 18	N85-29142 *	#	US-PATENT-CLASS-374-122	c 06	N83-10040 *	#
US-PATENT-CLASS-358-219	c 32	N85-21427 *	#	US-PATENT-CLASS-364-458	c 33	N79-14267 *	#	US-PATENT-CLASS-374-122	c 43	N85-21723 *	#
US-PATENT-CLASS-358-222	c 74	N86-28732 *	#	US-PATENT-CLASS-364-510	c 34	N81-26402 *	#	US-PATENT-CLASS-374-123	c 06	N83-10040 *	#
US-PATENT-CLASS-358-225	c 74	N78-17865 *	#	US-PATENT-CLASS-364-514	c 33	N81-33405 *	#	US-PATENT-CLASS-374-137	c 36	N85-21639 *	#
US-PATENT-CLASS-358-236	c 32	N75-21485 *	#	US-PATENT-CLASS-364-522	c 39	N83-20280 *	#	US-PATENT-CLASS-374-160	c 52	N85-30618 *	#
US-PATENT-CLASS-358-41	c 74	N78-17865 *	#	US-PATENT-CLASS-364-556	c 36	N85-29264 *	#	US-PATENT-CLASS-374-162R	c 74	N82-30071 *	#
US-PATENT-CLASS-358-44	c 74	N77-18893 *	#	US-PATENT-CLASS-364-557	c 35	N84-14491 *	#	US-PATENT-CLASS-374-163	c 35	N86-19580 *	#
US-PATENT-CLASS-358-55	c 74	N78-17865 *	#	US-PATENT-CLASS-364-558	c 35	N84-14491 *	#	US-PATENT-CLASS-374-17	c 35	N83-29650 *	#
US-PATENT-CLASS-358-81	c 32	N79-20297 *	#	US-PATENT-CLASS-364-558	c 07	N84-22559 *	#	US-PATENT-CLASS-374-183	c 33	N86-32624 *	#
US-PATENT-CLASS-358-88	c 74	N86-21348 *	#	US-PATENT-CLASS-364-559	c 39	N83-20280 *	#	US-PATENT-CLASS-374-1	c 35	N84-28019 *	#
US-PATENT-CLASS-358-96	c 52	N79-10724 *	#	US-PATENT-CLASS-364-560	c 43	N79-26439 *	#	US-PATENT-CLASS-374-208	c 37	N85-21651 *	#
US-PATENT-CLASS-36-119	c 54	N78-17675 *	#	US-PATENT-CLASS-364-566	c 18	N81-29152 *	#	US-PATENT-CLASS-374-210	c 37	N85-21651 *	#
US-PATENT-CLASS-36-92	c 54	N78-17675 *	#	US-PATENT-CLASS-364-571	c 34	N81-26402 *	#	US-PATENT-CLASS-374-46	c 34	N83-34221 *	#
US-PATENT-CLASS-360-101	c 35	N76-16391 *	#	US-PATENT-CLASS-364-571	c 35	N84-14491 *	#	US-PATENT-CLASS-374-46	c 25	N86-19413 *	#
US-PATENT-CLASS-360-10	c 35	N77-17426 *	#	US-PATENT-CLASS-364-571	c 33	N85-34333 *	#	US-PATENT-CLASS-374-51	c 39	N83-32081 *	#
US-PATENT-CLASS-360-26	c 33	N76-18353 *	#	US-PATENT-CLASS-364-578	c 33	N85-34333 *	#	US-PATENT-CLASS-374-8	c 25	N86-19413 *	#
US-PATENT-CLASS-360-31	c 35	N77-17426 *	#	US-PATENT-CLASS-364-604	c 32	N79-14267 *	#	US-PATENT-CLASS-375-104	c 35	N81-19427 *	#
US-PATENT-CLASS-360-35	c 35	N76-16391 *	#	US-PATENT-CLASS-364-713	c 32	N79-20297 *	#	US-PATENT-CLASS-375-106	c 60	N82-16747 *	#
US-PATENT-CLASS-360-51	c 33	N76-18353 *	#	US-PATENT-CLASS-364-717	c 32	N82-31583 *	#	US-PATENT-CLASS-375-107	c 32	N82-31583 *	#
US-PATENT-CLASS-360-9	c 35	N76-16391 *	#	US-PATENT-CLASS-364-723	c 60	N85-33701 *	#	US-PATENT-CLASS-375-114	c 32	N81-14196 *	#
US-PATENT-CLASS-361-100	c 33	N83-34190 *	#	US-PATENT-CLASS-364-728	c 32	N79-11457 *	#	US-PATENT-CLASS-375-115	c 60	N82-16747 *	#
US-PATENT-CLASS-361-141	c 33	N82-11357 *	#	US-PATENT-CLASS-364-728	c 60	N86-21124 *	#	US-PATENT-CLASS-375-116	c 32	N81-15179 *	#
US-PATENT-CLASS-361-170	c 33	N79-28415 *	#	US-PATENT-CLASS-364-822	c 32	N83-18975 *	#	US-PATENT-CLASS-375-120	c 60	N82-16747 *	#
US-PATENT-CLASS-361-226	c 28	N82-18401 *	#	US-PATENT-CLASS-364-822	c 74	N86-21348 *	#	US-PATENT-CLASS-375-120	c 32	N84-27952 *	#
US-PATENT-CLASS-361-230	c 28	N82-18401 *	#	US-PATENT-CLASS-364-825	c 33	N82-24417 *	#	US-PATENT-CLASS-375-1	c 32	N81-15179 *	#
US-PATENT-CLASS-361-283	c 33	N82-26572 *	#	US-PATENT-CLASS-364-853	c 60	N85-33701 *	#	US-PATENT-CLASS-375-1	c 35	N81-19427 *	#
US-PATENT-CLASS-361-334	c 35	N81-26431 *	#	US-PATENT-CLASS-364-861	c 32	N83-18975 *	#	US-PATENT-CLASS-375-1	c 33	N81-33405 *	#
US-PATENT-CLASS-361-395	c 32	N78-24391 *	#	US-PATENT-CLASS-364-900	c 52	N79-12694 *	#	US-PATENT-CLASS-375-34	c 35	N81-19427 *	#
US-PATENT-CLASS-361-56	c 33	N81-27397 *	#	US-PATENT-CLASS-364-900	c 60	N79-20751 *	#	US-PATENT-CLASS-375-54	c 33	N85-21592 *	#
US-PATENT-CLASS-361-91	c 33	N81-27397 *	#	US-PATENT-CLASS-364-900	c 60	N81-27814 *	#	US-PATENT-CLASS-375-58	c 32	N81-15179 *	#
US-PATENT-CLASS-362-11	c 74	N81-17886 *	#	US-PATENT-CLASS-364-900	c 60	N83-32342 *	#	US-PATENT-CLASS-375-67	c 33	N81-15192 *	#
US-PATENT-CLASS-362-241	c 74	N81-17886 *	#	US-PATENT-CLASS-364-900	c 60	N84-28491 *	#	US-PATENT-CLASS-375-77	c 32	N84-27952 *	#
US-PATENT-CLASS-362-269	c 17	N78-17140 *	#	US-PATENT-CLASS-364-900	c 60	N84-28492 *	#	US-PATENT-CLASS-375-81	c 32	N84-27952 *	#
US-PATENT-CLASS-363-100	c 33	N85-29147 *	#	US-PATENT-CLASS-365-120	c 33	N81-29342 *	#	US-PATENT-CLASS-375-88	c 17	N87-16863 *	#
US-PATENT-CLASS-363-101	c 33	N78-32341 *	#	US-PATENT-CLASS-365-768	c 32	N86-27513 *	#	US-PATENT-CLASS-375-99	c 35	N81-19427 *	#
US-PATENT-CLASS-363-101	c 33	N81-19392 *	#	US-PATENT-CLASS-366-106	c 71	N84-28568 *	#	US-PATENT-CLASS-376-159	c 25	N85-21279 *	#
US-PATENT-CLASS-363-132	c 33	N82-18494 *	#	US-PATENT-CLASS-366-114	c 71	N83-35781 *	#	US-PATENT-CLASS-378-104	c 33	N85-29147 *	#
US-PATENT-CLASS-363-134	c 33	N79-24257 *	#	US-PATENT-CLASS-367-100	c 32	N82-18443 *	#	US-PATENT-CLASS-378-112	c 33	N85-29147 *	#
US-PATENT-CLASS-363-147	c 44	N81-12542 *	#	US-PATENT-CLASS-367-102	c 32	N82-18443 *	#	US-PATENT-CLASS-378-2	c 34	N83-19015 *	#
US-PATENT-CLASS-363-16	c 33	N78-32341 *	#	US-PATENT-CLASS-367-181	c 33	N82-26572 *	#	US-PATENT-CLASS-378-2	c 74	N84-11920 *	#
US-PATENT-CLASS-363-17	c 33	N82-18494 *	#	US-PATENT-CLASS-367-189	c 35	N84-22933 *	#	US-PATENT-CLASS-378-43	c 34	N83-19015 *	#
US-PATENT-CLASS-363-19	c 33	N85-29147 *	#	US-PATENT-CLASS-367-26	c 39	N80-10507 *	#	US-PATENT-CLASS-378-43	c 74	N86-20124 *	#
US-PATENT-CLASS-363-21	c 33	N81-19392 *	#	US-PATENT-CLASS-367-27	c 31	N80-32584 *	#	US-PATENT-CLASS-378-58	c 74	N86-20126 *	#
US-PATENT-CLASS-363-21	c 33	N81-19393 *	#	US-PATENT-CLASS-367-36	c 31	N80-32584 *	#	US-PATENT-CLASS-378-58	c 74	N86-20126 *	#
US-PATENT-CLASS-363-22	c 33	N84-33663 *	#	US-PATENT-CLASS-367-57	c 32	N82-18443 *	#	US-PATENT-CLASS-378-85	c 74	N86-20124 *	#
US-PAT											

US-PATENT-CLASS-4-10	c 54	N74-20725 *	#	US-PATENT-CLASS-414-786	c 85	N85-34722 *	#	US-PATENT-CLASS-416-244A	c 07	N78-33101 *	#
US-PATENT-CLASS-4-110	c 05	N72-22093 *	#	US-PATENT-CLASS-414-7	c 54	N86-28618 *	#	US-PATENT-CLASS-416-248	c 37	N78-10468 *	#
US-PATENT-CLASS-4-120	c 54	N74-20725 *	#	US-PATENT-CLASS-414-7	c 54	N86-28620 *	#	US-PATENT-CLASS-416-25	c 05	N75-12930 *	#
US-PATENT-CLASS-4-144.3	c 52	N81-24711 *	#	US-PATENT-CLASS-414-8	c 54	N86-28618 *	#	US-PATENT-CLASS-416-2	c 44	N79-14527 *	#
US-PATENT-CLASS-4-144.3	c 52	N81-28740 *	#	US-PATENT-CLASS-415-DIG 8	c 44	N82-24639 *	#	US-PATENT-CLASS-416-500	c 05	N81-19087 *	#
US-PATENT-CLASS-4-498	c 44	N84-34792 *	#	US-PATENT-CLASS-415-DIG 8	c 44	N84-23018 *	#	US-PATENT-CLASS-416-500	c 05	N85-29947 *	#
US-PATENT-CLASS-4-99	c 05	N72-22093 *	#	US-PATENT-CLASS-415-101	c 44	N80-21828 *	#	US-PATENT-CLASS-416-51	c 05	N79-17847 *	#
US-PATENT-CLASS-40-28	c 12	N71-18603 *	#	US-PATENT-CLASS-415-115	c 07	N79-10057 *	#	US-PATENT-CLASS-416-61	c 35	N78-24515 *	#
US-PATENT-CLASS-403-102	c 37	N85-30336 *	#	US-PATENT-CLASS-415-115	c 34	N83-27144 *	#	US-PATENT-CLASS-416-61	c 37	N79-14382 *	#
US-PATENT-CLASS-403-102	c 18	N87-14373 *	#	US-PATENT-CLASS-415-115	c 07	N84-33410 *	#	US-PATENT-CLASS-416-88	c 05	N79-17847 *	#
US-PATENT-CLASS-403-105	c 37	N79-14382 *	#	US-PATENT-CLASS-415-115	c 34	N85-33433 *	#	US-PATENT-CLASS-416-89	c 05	N79-17847 *	#
US-PATENT-CLASS-403-113	c 37	N86-19605 *	#	US-PATENT-CLASS-415-116	c 07	N79-10057 *	#	US-PATENT-CLASS-416-92	c 07	N84-22560 *	#
US-PATENT-CLASS-403-119	c 18	N87-14373 *	#	US-PATENT-CLASS-415-118	c 35	N83-35338 *	#	US-PATENT-CLASS-416-97A	c 34	N85-33433 *	#
US-PATENT-CLASS-403-120	c 37	N86-19605 *	#	US-PATENT-CLASS-415-143	c 34	N79-20335 *	#	US-PATENT-CLASS-416-97R	c 34	N83-27144 *	#
US-PATENT-CLASS-403-143	c 18	N85-29991 *	#	US-PATENT-CLASS-415-145	c 07	N77-28118 *	#	US-PATENT-CLASS-416-97R	c 07	N84-22560 *	#
US-PATENT-CLASS-403-146	c 18	N87-14373 *	#	US-PATENT-CLASS-415-145	c 07	N82-32366 *	#	US-PATENT-CLASS-417-138	c 35	N75-19611 *	#
US-PATENT-CLASS-403-15	c 37	N85-30334 *	#	US-PATENT-CLASS-415-174	c 37	N79-18318 *	#	US-PATENT-CLASS-417-141	c 44	N76-29701 *	#
US-PATENT-CLASS-403-163	c 18	N87-14373 *	#	US-PATENT-CLASS-415-174	c 37	N80-26658 *	#	US-PATENT-CLASS-417-152	c 15	N72-22489 *	#
US-PATENT-CLASS-403-16	c 37	N85-30334 *	#	US-PATENT-CLASS-415-174	c 37	N82-19540 *	#	US-PATENT-CLASS-417-159	c 09	N84-27749 *	#
US-PATENT-CLASS-403-171	c 31	N81-25258 *	#	US-PATENT-CLASS-415-174	c 27	N82-29453 *	#	US-PATENT-CLASS-417-15	c 37	N83-26078 *	#
US-PATENT-CLASS-403-171	c 31	N86-19479 *	#	US-PATENT-CLASS-415-174	c 18	N83-20996 *	#	US-PATENT-CLASS-417-207	c 44	N76-29701 *	#
US-PATENT-CLASS-403-179	c 27	N76-14264 *	#	US-PATENT-CLASS-415-174	c 37	N84-22957 *	#	US-PATENT-CLASS-417-209	c 34	N76-17317 *	#
US-PATENT-CLASS-403-217	c 37	N82-32732 *	#	US-PATENT-CLASS-415-174	c 37	N86-20788 *	#	US-PATENT-CLASS-417-209	c 44	N76-29701 *	#
US-PATENT-CLASS-403-273	c 37	N77-23482 *	#	US-PATENT-CLASS-415-175	c 07	N83-31603 *	#	US-PATENT-CLASS-417-225	c 35	N78-10428 *	#
US-PATENT-CLASS-403-282	c 26	N83-10170 *	#	US-PATENT-CLASS-415-178	c 07	N82-32366 *	#	US-PATENT-CLASS-417-328	c 37	N84-28081 *	#
US-PATENT-CLASS-403-28	c 27	N76-14264 *	#	US-PATENT-CLASS-415-178	c 07	N83-31603 *	#	US-PATENT-CLASS-417-36	c 35	N75-19611 *	#
US-PATENT-CLASS-403-28	c 37	N85-29285 *	#	US-PATENT-CLASS-415-180	c 07	N77-23106 *	#	US-PATENT-CLASS-417-379	c 44	N76-29701 *	#
US-PATENT-CLASS-403-312	c 37	N86-27630 *	#	US-PATENT-CLASS-415-180	c 37	N78-10467 *	#	US-PATENT-CLASS-417-383	c 37	N80-31790 *	#
US-PATENT-CLASS-403-315	c 37	N82-24494 *	#	US-PATENT-CLASS-415-181	c 07	N74-28226 *	#	US-PATENT-CLASS-417-391	c 15	N73-24513 *	#
US-PATENT-CLASS-403-317	c 37	N82-32732 *	#	US-PATENT-CLASS-415-181	c 07	N74-31270 *	#	US-PATENT-CLASS-417-392	c 37	N84-28081 *	#
US-PATENT-CLASS-403-317	c 37	N85-21649 *	#	US-PATENT-CLASS-415-196	c 37	N80-26658 *	#	US-PATENT-CLASS-417-395	c 35	N75-19611 *	#
US-PATENT-CLASS-403-322	c 18	N84-22605 *	#	US-PATENT-CLASS-415-196	c 37	N82-19540 *	#	US-PATENT-CLASS-417-399	c 44	N83-14693 *	#
US-PATENT-CLASS-403-322	c 37	N85-30334 *	#	US-PATENT-CLASS-415-197	c 18	N83-20996 *	#	US-PATENT-CLASS-417-417	c 44	N83-28574 *	#
US-PATENT-CLASS-403-322	c 37	N85-30336 *	#	US-PATENT-CLASS-415-199	c 05	N80-14107 *	#	US-PATENT-CLASS-417-417	c 31	N85-21404 *	#
US-PATENT-CLASS-403-328	c 18	N86-20469 *	#	US-PATENT-CLASS-415-1	c 34	N79-20335 *	#	US-PATENT-CLASS-417-462	c 37	N84-28081 *	#
US-PATENT-CLASS-403-331	c 37	N82-32732 *	#	US-PATENT-CLASS-415-1	c 07	N83-31603 *	#	US-PATENT-CLASS-417-470	c 35	N74-15126 *	#
US-PATENT-CLASS-403-340	c 37	N82-32732 *	#	US-PATENT-CLASS-415-1	c 37	N85-29282 *	#	US-PATENT-CLASS-417-471	c 35	N74-15126 *	#
US-PATENT-CLASS-403-348	c 37	N85-30336 *	#	US-PATENT-CLASS-415-2R	c 44	N82-24639 *	#	US-PATENT-CLASS-417-475	c 37	N86-32738 *	#
US-PATENT-CLASS-403-388	c 37	N86-27630 *	#	US-PATENT-CLASS-415-2R	c 44	N84-23018 *	#	US-PATENT-CLASS-417-488	c 31	N85-21404 *	#
US-PATENT-CLASS-403-408.1	c 37	N86-27630 *	#	US-PATENT-CLASS-415-200	c 07	N79-14096 *	#	US-PATENT-CLASS-417-50	c 15	N71-27084 *	#
US-PATENT-CLASS-403-408	c 37	N85-29285 *	#	US-PATENT-CLASS-415-201	c 37	N79-14096 *	#	US-PATENT-CLASS-417-52	c 37	N74-27904 *	#
US-PATENT-CLASS-403-56	c 18	N85-29991 *	#	US-PATENT-CLASS-415-201	c 07	N79-14096 *	#	US-PATENT-CLASS-417-88	c 44	N78-32539 *	#
US-PATENT-CLASS-403-64	c 31	N86-19479 *	#	US-PATENT-CLASS-415-2	c 44	N80-21828 *	#	US-PATENT-CLASS-418-113	c 37	N82-16408 *	#
US-PATENT-CLASS-403-76	c 18	N85-29991 *	#	US-PATENT-CLASS-415-47	c 07	N83-31603 *	#	US-PATENT-CLASS-418-142	c 37	N82-16408 *	#
US-PATENT-CLASS-403-85	c 18	N87-14373 *	#	US-PATENT-CLASS-415-68	c 37	N85-29282 *	#	US-PATENT-CLASS-42-1F	c 11	N72-22247 *	#
US-PATENT-CLASS-403-90	c 18	N85-29991 *	#	US-PATENT-CLASS-415-9	c 44	N79-14527 *	#	US-PATENT-CLASS-42-101	c 44	N86-25874 *	#
US-PATENT-CLASS-405-229	c 44	N79-24432 *	#	US-PATENT-CLASS-416-104	c 05	N77-17029 *	#	US-PATENT-CLASS-42-215	c 44	N76-29704 *	#
US-PATENT-CLASS-405-263	c 44	N79-24432 *	#	US-PATENT-CLASS-416-114	c 05	N81-19087 *	#	US-PATENT-CLASS-420-445	c 26	N82-31505 *	#
US-PATENT-CLASS-406-155	c 37	N84-16561 *	#	US-PATENT-CLASS-416-115	c 02	N72-11018 *	#	US-PATENT-CLASS-420-460	c 26	N87-14482 *	#
US-PATENT-CLASS-407-117	c 37	N81-14319 *	#	US-PATENT-CLASS-416-117	c 37	N84-12493 *	#	US-PATENT-CLASS-420-551	c 26	N82-31505 *	#
US-PATENT-CLASS-407-85	c 37	N81-14319 *	#	US-PATENT-CLASS-416-121	c 02	N72-11018 *	#	US-PATENT-CLASS-420-588	c 26	N82-31505 *	#
US-PATENT-CLASS-408-1R	c 37	N81-14319 *	#	US-PATENT-CLASS-416-127	c 02	N72-11018 *	#	US-PATENT-CLASS-422-103	c 35	N85-29213 *	#
US-PATENT-CLASS-408-1R	c 31	N83-27058 *	#	US-PATENT-CLASS-416-130	c 02	N72-11018 *	#	US-PATENT-CLASS-422-109	c 54	N81-24724 *	#
US-PATENT-CLASS-408-111	c 37	N74-25968 *	#	US-PATENT-CLASS-416-132B	c 37	N84-12493 *	#	US-PATENT-CLASS-422-121	c 35	N84-17555 *	#
US-PATENT-CLASS-408-112	c 37	N75-25186 *	#	US-PATENT-CLASS-416-132R	c 05	N79-17847 *	#	US-PATENT-CLASS-422-129	c 37	N85-21652 *	#
US-PATENT-CLASS-408-137	c 15	N71-33518 *	#	US-PATENT-CLASS-416-135	c 07	N77-32148 *	#	US-PATENT-CLASS-422-169	c 35	N84-17555 *	#
US-PATENT-CLASS-408-186	c 37	N75-25186 *	#	US-PATENT-CLASS-416-135	c 37	N78-10468 *	#	US-PATENT-CLASS-422-178	c 35	N84-17555 *	#
US-PATENT-CLASS-408-193	c 37	N75-25186 *	#	US-PATENT-CLASS-416-138	c 05	N77-17029 *	#	US-PATENT-CLASS-422-186	c 25	N82-28368 *	#
US-PATENT-CLASS-408-195	c 37	N75-25186 *	#	US-PATENT-CLASS-416-138	c 05	N79-17847 *	#	US-PATENT-CLASS-422-186	c 35	N84-17555 *	#
US-PATENT-CLASS-408-61	c 31	N83-27058 *	#	US-PATENT-CLASS-416-141	c 05	N77-17029 *	#	US-PATENT-CLASS-422-187	c 37	N80-10494 *	#
US-PATENT-CLASS-408-80	c 37	N74-25968 *	#	US-PATENT-CLASS-416-141	c 37	N78-10468 *	#	US-PATENT-CLASS-422-198	c 25	N82-28368 *	#
US-PATENT-CLASS-409-131	c 31	N83-27058 *	#	US-PATENT-CLASS-416-144	c 35	N78-24515 *	#	US-PATENT-CLASS-422-199	c 37	N80-10494 *	#
US-PATENT-CLASS-41R	c 27	N81-15104 *	#	US-PATENT-CLASS-416-145	c 05	N85-29947 *	#	US-PATENT-CLASS-422-199	c 37	N85-21652 *	#
US-PATENT-CLASS-410-156	c 37	N85-34401 *	#	US-PATENT-CLASS-416-149	c 02	N72-11018 *	#	US-PATENT-CLASS-422-200	c 44	N83-10501 *	#
US-PATENT-CLASS-410-79	c 18	N85-29991 *	#	US-PATENT-CLASS-416-153	c 07	N77-14025 *	#	US-PATENT-CLASS-422-202	c 44	N83-10501 *	#
US-PATENT-CLASS-410-90	c 18	N85-29991 *	#	US-PATENT-CLASS-416-157B	c 07	N79-14095 *	#	US-PATENT-CLASS-422-208	c 37	N80-10494 *	#
US-PATENT-CLASS-411-103	c 37	N85-30335 *	#	US-PATENT-CLASS-416-160	c 07	N77-14025 *	#	US-PATENT-CLASS-422-224	c 31	N80-18231 *	#
US-PATENT-CLASS-411-108	c 37	N85-30335 *	#	US-PATENT-CLASS-416-160	c 07	N79-14095 *	#	US-PATENT-CLASS-422-224	c 44	N83-10501 *	#
US-PATENT-CLASS-411-253	c 37	N83-19091 *	#	US-PATENT-CLASS-416-162	c 07	N77-14025 *	#	US-PATENT-CLASS-422-235	c 37	N80-10494 *	#
US-PATENT-CLASS-411-368	c 37	N85-29285 *	#	US-PATENT-CLASS-416-162	c 07	N79-14095 *	#	US-PATENT-CLASS-422-242	c 37	N80-10494 *	#
US-PATENT-CLASS-411-378	c 37	N85-29285 *	#	US-PATENT-CLASS-416-165	c 07	N77-14025 *	#	US-PATENT-CLASS-422-246	c 76	N80-32244 *	#
US-PATENT-CLASS-411-426	c 37	N85-29285 *	#	US-PATENT-CLASS-416-167	c 07	N77-14025 *	#	US-PATENT-CLASS-422-246	c 33	N81-19369 *	#
US-PATENT-CLASS-411-501	c 37	N85-29285 *	#	US-PATENT-CLASS-416-167	c 07	N79-14095 *	#	US-PATENT-CLASS-422-246	c 76	N82-30105 *	#
US-PATENT-CLASS-411-517	c 37	N83-19091 *	#	US-PATENT-CLASS-416-190	c 07	N77-32148 *	#	US-PATENT-CLASS-422-246	c 76	N84-35113 *	#
US-PATENT-CLASS-411-531	c 37	N85-29285 *	#	US-PATENT-CLASS-416-193A	c 07	N77-32148 *	#	US-PATENT-CLASS-422-249	c 33	N81-19369 *	#
US-PATENT-CLASS-414-1	c 37	N80-14398 *	#	US-PATENT-CLASS-416-1	c 34	N83-27144 *	#	US-PATENT-CLASS-422-249	c 76	N84-35113 *	#
US-PATENT-CLASS-414-1	c 37	N81-14320 *	#	US-PATENT-CLASS-416-200	c 02	N72-11018 *	#	US-PATENT-CLASS-422-27	c 54	N81-24724 *	#
US-PATENT-CLASS-414-1	c 54	N86-28618 *	#	US-PATENT-CLASS-416-214A	c 07	N78-33101 *	#	US-PATENT-CLASS-422-30	c 54	N81-24724 *	#
US-PATENT-CLASS-414-217	c 37	N85-29286 *	#	US-PATENT-CLASS-416-220R	c 07	N77-27116 *	#	US-PATENT-CLASS-422-34	c 54	N81-24724 *	#
US-PATENT-CLASS-414-222	c 37	N82-32731 *	#	US-PATENT-CLASS-416-220R	c 37	N78-10468 *	#	US-PATENT-CLASS-422-3	c 54	N81-24724 *	#
US-PATENT-CLASS-414-226	c 37	N82-32731 *	#	US-PATENT-CLASS-416-221	c 07	N77-27116 *	#	US-PATENT-CLASS-422-40	c 35	N82-11432 *	#
US-PATENT-CLASS-414-288	c 85	N85-34722 *	#	US-PATENT-CLASS-416-223R	c 02	N84-11136 *	#	US-PATENT-CLASS-422-41	c 52	N79-14749 *	#
US-PATENT-CLASS-414-328	c 85	N85-34722 *	#	US-PATENT-CLASS-416-223R	c 02	N84-28732 *	#	US-PATENT-CLASS-422-48	c 52	N79-14749 *	#
US-PATENT-CLASS-414-373	c 85	N85-34722 *	#	US-PATENT-CLASS-416-223	c 07	N74-28226 *	#	US-PATENT-CLASS-422-52	c 51	N80-16714 *	#
US-PATENT-CLASS-414-4	c 37	N79-28551 *	#	US-PATENT-CLASS-416-224	c 24	N77-19170 *	#	US-PATENT-CLASS-422-52	c 51	N83-27569 *	#
US-PATENT-CLASS-414-4	c 54	N81-26718 *	#	US-PATENT-CLASS-416-224	c 07	N84-22560 *	#	US-PATENT-CLASS-422-68	c 51	N80-27067 *	#
US-PATENT-CLASS-414-4	c 37	N86-20789 *	#	US-PATENT-CLASS-416-228	c 05	N80-14107 *	#	US-PATENT-CLASS-422-78	c 25	N86-19413 *	#
US-PATENT-CLASS-414-5	c 54	N86-28618 *	#	US-PATENT-CLASS-416-230	c 24	N77-19170 *	#	US-PATENT-CLASS-42			

US-PATENT-CLASS-423-231	c 25	N74-12813 *	#	US-PATENT-CLASS-427-125	c 44	N84-28205 *	#	US-PATENT-CLASS-427-376C	c 24	N79-17916 *	#
US-PATENT-CLASS-423-235	c 25	N82-28368 *	#	US-PATENT-CLASS-427-126.6	c 26	N84-22734 *	#	US-PATENT-CLASS-427-376	c 27	N76-22377 *	#
US-PATENT-CLASS-423-242	c 45	N79-12584 *	#	US-PATENT-CLASS-427-126	c 37	N78-13436 *	#	US-PATENT-CLASS-427-376	c 27	N76-23426 *	#
US-PATENT-CLASS-423-249	c 25	N76-27383 *	#	US-PATENT-CLASS-427-126	c 44	N79-11472 *	#	US-PATENT-CLASS-427-379	c 27	N76-22377 *	#
US-PATENT-CLASS-423-293	c 26	N80-14229 *	#	US-PATENT-CLASS-427-130	c 44	N77-32583 *	#	US-PATENT-CLASS-427-379	c 27	N76-23426 *	#
US-PATENT-CLASS-423-303	c 44	N84-23019 *	#	US-PATENT-CLASS-427-140	c 27	N82-33520 *	#	US-PATENT-CLASS-427-379	c 27	N78-32260 *	#
US-PATENT-CLASS-423-33-5	c 25	N79-28253 *	#	US-PATENT-CLASS-427-140	c 24	N83-13172 *	#	US-PATENT-CLASS-427-379	c 27	N81-19296 *	#
US-PATENT-CLASS-423-345	c 76	N76-25049 *	#	US-PATENT-CLASS-427-160	c 34	N77-18382 *	#	US-PATENT-CLASS-427-379	c 24	N83-13171 *	#
US-PATENT-CLASS-423-345	c 76	N79-23798 *	#	US-PATENT-CLASS-427-160	c 44	N78-19599 *	#	US-PATENT-CLASS-427-379	c 24	N83-13172 *	#
US-PATENT-CLASS-423-346	c 76	N76-25049 *	#	US-PATENT-CLASS-427-162	c 12	N76-15189 *	#	US-PATENT-CLASS-427-379	c 44	N84-28205 *	#
US-PATENT-CLASS-423-348	c 26	N80-14229 *	#	US-PATENT-CLASS-427-162	c 27	N86-31727 *	#	US-PATENT-CLASS-427-37	c 24	N85-30027 *	#
US-PATENT-CLASS-423-350	c 37	N80-10494 *	#	US-PATENT-CLASS-427-164	c 27	N78-14164 *	#	US-PATENT-CLASS-427-380	c 27	N76-22377 *	#
US-PATENT-CLASS-423-350	c 31	N80-18231 *	#	US-PATENT-CLASS-427-164	c 27	N78-13233 *	#	US-PATENT-CLASS-427-380	c 27	N76-23426 *	#
US-PATENT-CLASS-423-352	c 36	N76-18427 *	#	US-PATENT-CLASS-427-164	c 74	N78-32854 *	#	US-PATENT-CLASS-427-380	c 27	N78-32260 *	#
US-PATENT-CLASS-423-407	c 24	N76-14203 *	#	US-PATENT-CLASS-427-164	c 27	N80-24437 *	#	US-PATENT-CLASS-427-380	c 44	N84-28205 *	#
US-PATENT-CLASS-423-414	c 24	N84-22695 *	#	US-PATENT-CLASS-427-165	c 27	N86-31727 *	#	US-PATENT-CLASS-427-384	c 26	N85-35267 *	#
US-PATENT-CLASS-423-414	c 31	N85-20153 *	#	US-PATENT-CLASS-427-178	c 24	N85-30027 *	#	US-PATENT-CLASS-427-384	c 24	N83-13172 *	#
US-PATENT-CLASS-423-417	c 26	N80-14229 *	#	US-PATENT-CLASS-427-191	c 26	N85-35267 *	#	US-PATENT-CLASS-427-385.5	c 27	N81-14078 *	#
US-PATENT-CLASS-423-419P	c 25	N83-33977 *	#	US-PATENT-CLASS-427-191	c 26	N86-32550 *	#	US-PATENT-CLASS-427-385.5	c 27	N86-20561 *	#
US-PATENT-CLASS-423-445	c 24	N84-22695 *	#	US-PATENT-CLASS-427-192	c 26	N86-32550 *	#	US-PATENT-CLASS-427-385C	c 44	N78-25530 *	#
US-PATENT-CLASS-423-445	c 31	N85-20153 *	#	US-PATENT-CLASS-427-196	c 27	N76-15310 *	#	US-PATENT-CLASS-427-386	c 24	N78-27180 *	#
US-PATENT-CLASS-423-445	c 24	N85-21267 *	#	US-PATENT-CLASS-427-203	c 27	N76-16229 *	#	US-PATENT-CLASS-427-387	c 74	N78-32854 *	#
US-PATENT-CLASS-423-446	c 15	N73-19457 *	#	US-PATENT-CLASS-427-204	c 27	N76-16229 *	#	US-PATENT-CLASS-427-387	c 24	N83-13171 *	#
US-PATENT-CLASS-423-446	c 24	N84-22695 *	#	US-PATENT-CLASS-427-205	c 27	N76-16229 *	#	US-PATENT-CLASS-427-387	c 24	N83-13172 *	#
US-PATENT-CLASS-423-446	c 31	N85-20153 *	#	US-PATENT-CLASS-427-205	c 27	N82-28441 *	#	US-PATENT-CLASS-427-388.1	c 27	N86-20561 *	#
US-PATENT-CLASS-423-446	c 24	N85-21267 *	#	US-PATENT-CLASS-427-215	c 27	N78-32260 *	#	US-PATENT-CLASS-427-388A	c 24	N78-27180 *	#
US-PATENT-CLASS-423-447.2	c 24	N83-25789 *	#	US-PATENT-CLASS-427-215	c 24	N83-33950 *	#	US-PATENT-CLASS-427-388	c 74	N78-32854 *	#
US-PATENT-CLASS-423-447.6	c 24	N83-25789 *	#	US-PATENT-CLASS-427-216	c 33	N84-16456 *	#	US-PATENT-CLASS-427-38	c 27	N80-24437 *	#
US-PATENT-CLASS-423-447.7	c 24	N83-25789 *	#	US-PATENT-CLASS-427-217	c 33	N84-16456 *	#	US-PATENT-CLASS-427-38	c 26	N85-29005 *	#
US-PATENT-CLASS-423-449	c 24	N84-22695 *	#	US-PATENT-CLASS-427-219.2	c 27	N83-31855 *	#	US-PATENT-CLASS-427-38	c 27	N86-19458 *	#
US-PATENT-CLASS-423-449	c 31	N85-20153 *	#	US-PATENT-CLASS-427-221	c 27	N81-19296 *	#	US-PATENT-CLASS-427-393.3	c 27	N82-16238 *	#
US-PATENT-CLASS-423-449	c 24	N85-21267 *	#	US-PATENT-CLASS-427-226	c 33	N84-16456 *	#	US-PATENT-CLASS-427-397.7	c 27	N82-33520 *	#
US-PATENT-CLASS-423-539	c 25	N82-28368 *	#	US-PATENT-CLASS-427-226	c 44	N84-28205 *	#	US-PATENT-CLASS-427-397.7	c 26	N85-35267 *	#
US-PATENT-CLASS-423-540	c 25	N82-28368 *	#	US-PATENT-CLASS-427-228	c 26	N85-35267 *	#	US-PATENT-CLASS-427-398A	c 44	N79-11472 *	#
US-PATENT-CLASS-423-542	c 25	N82-28368 *	#	US-PATENT-CLASS-427-229	c 35	N78-10225 *	#	US-PATENT-CLASS-427-399	c 44	N79-11472 *	#
US-PATENT-CLASS-423-579	c 46	N74-13011 *	#	US-PATENT-CLASS-427-230	c 27	N76-31524 *	#	US-PATENT-CLASS-427-399	c 36	N84-22944 *	#
US-PATENT-CLASS-423-579	c 25	N82-28368 *	#	US-PATENT-CLASS-427-240	c 37	N81-33482 *	#	US-PATENT-CLASS-427-39	c 24	N85-21267 *	#
US-PATENT-CLASS-423-581	c 25	N79-10162 *	#	US-PATENT-CLASS-427-241	c 24	N83-33950 *	#	US-PATENT-CLASS-427-39	c 31	N86-32587 *	#
US-PATENT-CLASS-423-582	c 26	N78-32229 *	#	US-PATENT-CLASS-427-243	c 31	N83-35177 *	#	US-PATENT-CLASS-427-400	c 27	N83-34039 *	#
US-PATENT-CLASS-423-583	c 26	N78-32229 *	#	US-PATENT-CLASS-427-244	c 25	N82-21268 *	#	US-PATENT-CLASS-427-402	c 27	N76-22377 *	#
US-PATENT-CLASS-423-600	c 25	N83-33977 *	#	US-PATENT-CLASS-427-245	c 25	N80-23452 *	#	US-PATENT-CLASS-427-402	c 27	N76-23426 *	#
US-PATENT-CLASS-423-625	c 15	N73-19457 *	#	US-PATENT-CLASS-427-246	c 31	N83-35177 *	#	US-PATENT-CLASS-427-405	c 34	N78-18355 *	#
US-PATENT-CLASS-423-625	c 26	N80-14229 *	#	US-PATENT-CLASS-427-247	c 27	N86-19458 *	#	US-PATENT-CLASS-427-405	c 27	N82-28441 *	#
US-PATENT-CLASS-423-644	c 36	N76-18427 *	#	US-PATENT-CLASS-427-248.1	c 37	N78-13436 *	#	US-PATENT-CLASS-427-405	c 26	N84-27855 *	#
US-PATENT-CLASS-423-648R	c 28	N78-24365 *	#	US-PATENT-CLASS-427-248J	c 44	N76-28635 *	#	US-PATENT-CLASS-427-407.1	c 27	N83-34039 *	#
US-PATENT-CLASS-423-648R	c 28	N80-20402 *	#	US-PATENT-CLASS-427-248	c 44	N76-28635 *	#	US-PATENT-CLASS-427-40	c 27	N79-18052 *	#
US-PATENT-CLASS-423-648R	c 28	N81-14103 *	#	US-PATENT-CLASS-427-249	c 44	N76-28635 *	#	US-PATENT-CLASS-427-40	c 27	N80-24437 *	#
US-PATENT-CLASS-423-648R	c 25	N82-28368 *	#	US-PATENT-CLASS-427-249	c 12	N76-15189 *	#	US-PATENT-CLASS-427-419.2	c 26	N83-31795 *	#
US-PATENT-CLASS-423-648R	c 25	N83-29324 *	#	US-PATENT-CLASS-427-250	c 37	N78-13436 *	#	US-PATENT-CLASS-427-419.2	c 34	N78-18355 *	#
US-PATENT-CLASS-423-649	c 25	N83-29324 *	#	US-PATENT-CLASS-427-250	c 37	N78-13436 *	#	US-PATENT-CLASS-427-419A	c 27	N78-31233 *	#
US-PATENT-CLASS-423-650	c 44	N76-18642 *	#	US-PATENT-CLASS-427-250	c 27	N82-28441 *	#	US-PATENT-CLASS-427-41	c 74	N78-32854 *	#
US-PATENT-CLASS-423-650	c 44	N76-29700 *	#	US-PATENT-CLASS-427-253	c 37	N78-13436 *	#	US-PATENT-CLASS-427-41	c 27	N79-14214 *	#
US-PATENT-CLASS-423-650	c 44	N76-29704 *	#	US-PATENT-CLASS-427-255	c 37	N78-13436 *	#	US-PATENT-CLASS-427-41	c 27	N80-23452 *	#
US-PATENT-CLASS-423-650	c 28	N77-10636 *	#	US-PATENT-CLASS-427-261	c 44	N79-11472 *	#	US-PATENT-CLASS-427-41	c 27	N80-16940 *	#
US-PATENT-CLASS-423-650	c 28	N80-10374 *	#	US-PATENT-CLASS-427-261	c 44	N76-16229 *	#	US-PATENT-CLASS-427-421	c 26	N86-32550 *	#
US-PATENT-CLASS-423-658.5	c 25	N79-14169 *	#	US-PATENT-CLASS-427-270	c 27	N76-16229 *	#	US-PATENT-CLASS-427-422	c 24	N85-30027 *	#
US-PATENT-CLASS-424-12	c 51	N80-16715 *	#	US-PATENT-CLASS-427-275	c 27	N79-17916 *	#	US-PATENT-CLASS-427-423	c 34	N78-18355 *	#
US-PATENT-CLASS-424-156	c 25	N83-33977 *	#	US-PATENT-CLASS-427-287	c 24	N83-13172 *	#	US-PATENT-CLASS-427-423	c 27	N82-29453 *	#
US-PATENT-CLASS-424-180	c 52	N75-15270 *	#	US-PATENT-CLASS-427-292	c 24	N79-14214 *	#	US-PATENT-CLASS-427-423	c 27	N83-31855 *	#
US-PATENT-CLASS-424-247	c 52	N81-29764 *	#	US-PATENT-CLASS-427-292	c 26	N85-35267 *	#	US-PATENT-CLASS-427-423	c 31	N83-35177 *	#
US-PATENT-CLASS-424-267	c 52	N81-29764 *	#	US-PATENT-CLASS-427-294	c 26	N84-22734 *	#	US-PATENT-CLASS-427-423	c 37	N84-22957 *	#
US-PATENT-CLASS-424-274	c 52	N81-14613 *	#	US-PATENT-CLASS-427-296	c 74	N78-32854 *	#	US-PATENT-CLASS-427-425	c 37	N82-24492 *	#
US-PATENT-CLASS-424-274	c 52	N81-29764 *	#	US-PATENT-CLASS-427-302	c 24	N83-13172 *	#	US-PATENT-CLASS-427-426	c 27	N76-15310 *	#
US-PATENT-CLASS-424-3	c 51	N77-27677 *	#	US-PATENT-CLASS-427-302	c 26	N83-31795 *	#	US-PATENT-CLASS-427-426	c 71	N84-16940 *	#
US-PATENT-CLASS-425-DIG.43	c 31	N75-13111 *	#	US-PATENT-CLASS-427-306	c 26	N77-18382 *	#	US-PATENT-CLASS-427-427	c 24	N78-24290 *	#
US-PATENT-CLASS-425-10	c 31	N83-35176 *	#	US-PATENT-CLASS-427-318	c 34	N78-32854 *	#	US-PATENT-CLASS-427-427	c 26	N86-32550 *	#
US-PATENT-CLASS-425-113	c 15	N73-13464 *	#	US-PATENT-CLASS-427-322	c 74	N79-17916 *	#	US-PATENT-CLASS-427-429	c 33	N84-16456 *	#
US-PATENT-CLASS-425-128	c 31	N74-32920 *	#	US-PATENT-CLASS-427-322	c 27	N79-17916 *	#	US-PATENT-CLASS-427-437	c 33	N84-16456 *	#
US-PATENT-CLASS-425-133	c 15	N73-13464 *	#	US-PATENT-CLASS-427-322	c 24	N79-17916 *	#	US-PATENT-CLASS-427-443.2	c 44	N84-28205 *	#
US-PATENT-CLASS-425-176	c 15	N73-13464 *	#	US-PATENT-CLASS-427-327	c 27	N83-34039 *	#	US-PATENT-CLASS-427-443	c 74	N78-32854 *	#
US-PATENT-CLASS-425-288	c 31	N74-32917 *	#	US-PATENT-CLASS-427-328	c 24	N79-17916 *	#	US-PATENT-CLASS-427-44	c 27	N80-32516 *	#
US-PATENT-CLASS-425-35	c 31	N74-32917 *	#	US-PATENT-CLASS-427-340	c 27	N83-34039 *	#	US-PATENT-CLASS-427-47	c 44	N77-32583 *	#
US-PATENT-CLASS-425-378R	c 31	N81-15154 *	#	US-PATENT-CLASS-427-343	c 44	N79-11472 *	#	US-PATENT-CLASS-427-47	c 26	N85-29005 *	#
US-PATENT-CLASS-425-405R	c 31	N75-13111 *	#	US-PATENT-CLASS-427-346	c 71	N84-16940 *	#	US-PATENT-CLASS-427-4	c 51	N77-27677 *	#
US-PATENT-CLASS-425-415	c 31	N74-32920 *	#	US-PATENT-CLASS-427-346	c 34	N78-18355 *	#	US-PATENT-CLASS-427-53.1	c 36	N84-22944 *	#
US-PATENT-CLASS-425-438	c 31	N75-13111 *	#	US-PATENT-CLASS-427-34	c 24	N79-17916 *	#	US-PATENT-CLASS-427-53.1	c 37	N84-22957 *	#
US-PATENT-CLASS-425-468	c 31	N75-13111 *	#	US-PATENT-CLASS-427-34	c 27	N82-29453 *	#	US-PATENT-CLASS-427-531	c 44	N82-28780 *	#
US-PATENT-CLASS-425-6	c 31	N81-33319 *	#	US-PATENT-CLASS-427-34	c 27	N83-31855 *	#	US-PATENT-CLASS-427-57	c 71	N84-16940 *	#
US-PATENT-CLASS-425-6	c 27	N82-28442 *	#	US-PATENT-CLASS-427-34	c 31	N83-35177 *	#	US-PATENT-CLASS-427-58	c 33	N84-16456 *	#
US-PATENT-CLASS-425-6	c 31	N83-31896 *	#	US-PATENT-CLASS-427-34	c 37	N84-22957 *	#	US-PATENT-CLASS-427-6	c 71	N84-16940 *	#
US-PATENT-CLASS-425-6	c 31	N83-35176 *	#	US-PATENT-CLASS-427-34	c 26	N84-27855 *	#	US-PATENT-CLASS-427-7	c 44	N78-25527 *	#
US-PATENT-CLASS-425-6	c 71	N84-28568 *	#	US-PATENT-CLASS-427-350	c 24	N79-25142 *	#	US-PATENT-CLASS-427-75	c 44	N79-11468 *	#
US-PATENT-CLASS-425-6	c 26	N86-32551 *	#	US-PATENT-CLASS-427-352	c 27	N83-34039 *	#	US-PATENT-CLASS-427-75	c 44	N79-11472 *	#
US-PATENT-CLASS-425-77	c 15	N72-20446 *	#	US-PATENT-CLASS-427-355	c 24	N79-17916 *	#	US-PATENT-CLASS-427-75	c 33	N84-16456 *	#
US-PATENT-CLASS-425-7	c 31	N83-35176 *	#	US-PATENT-CLASS-427-372.2	c 27	N82-33520 *	#	US-PATENT-CLASS-427-75	c 44	N78-28780 *	#
US-PATENT-CLASS-427-113	c 44	N76-28635 *	#	US-PATENT-CLASS-427-372.2	c 44	N84-28205 *	#	US-PATENT-CLASS-427-75	c 44	N78-25527 *	#
US-PATENT-CLASS-427-113	c 44	N78-24609 *	#	US-PATENT-CLASS-427-372A	c 24	N79-25142 *	#	US-PATENT-CLASS-427-75	c 44	N79-11468 *	#
US-PATENT-CLASS-											

US-PATENT-CLASS-427-86	c 44	N78-24609 *	#	US-PATENT-CLASS-428-313	c 24	N78-27180 *	#	US-PATENT-CLASS-428-457	c 26	N82-30371 *	#
US-PATENT-CLASS-427-88	c 44	N79-31752 *	#	US-PATENT-CLASS-428-317.9	c 27	N82-29456 *	#	US-PATENT-CLASS-428-458	c 24	N77-28225 *	#
US-PATENT-CLASS-427-88	c 44	N83-13579 *	#	US-PATENT-CLASS-428-319.1	c 03	N84-33394 *	#	US-PATENT-CLASS-428-458	c 24	N79-16915 *	#
US-PATENT-CLASS-427-88	c 33	N84-16456 *	#	US-PATENT-CLASS-428-325	c 27	N78-32260 *	#	US-PATENT-CLASS-428-458	c 27	N86-20561 *	#
US-PATENT-CLASS-427-89	c 44	N83-13579 *	#	US-PATENT-CLASS-428-325	c 27	N82-29456 *	#	US-PATENT-CLASS-428-461	c 34	N77-18382 *	#
US-PATENT-CLASS-427-90	c 44	N83-13579 *	#	US-PATENT-CLASS-428-325	c 44	N83-34448 *	#	US-PATENT-CLASS-428-462	c 27	N82-24340 *	#
US-PATENT-CLASS-427-91	c 44	N83-13579 *	#	US-PATENT-CLASS-428-328	c 24	N77-27188 *	#	US-PATENT-CLASS-428-466	c 27	N82-24340 *	#
US-PATENT-CLASS-427-95	c 25	N79-28253 *	#	US-PATENT-CLASS-428-331	c 27	N78-32260 *	#	US-PATENT-CLASS-428-469	c 27	N76-16229 *	#
US-PATENT-CLASS-427-96	c 33	N84-16456 *	#	US-PATENT-CLASS-428-331	c 27	N83-18908 *	#	US-PATENT-CLASS-428-469	c 26	N83-31795 *	#
US-PATENT-CLASS-428-109	c 27	N76-14264 *	#	US-PATENT-CLASS-428-332	c 27	N76-22377 *	#	US-PATENT-CLASS-428-471	c 26	N81-25188 *	#
US-PATENT-CLASS-428-109	c 33	N79-12331 *	#	US-PATENT-CLASS-428-332	c 27	N76-23426 *	#	US-PATENT-CLASS-428-472	c 26	N82-30371 *	#
US-PATENT-CLASS-428-113	c 24	N81-14000 *	#	US-PATENT-CLASS-428-332	c 24	N78-27180 *	#	US-PATENT-CLASS-428-473.5	c 27	N81-14078 *	#
US-PATENT-CLASS-428-114	c 24	N81-13999 *	#	US-PATENT-CLASS-428-332	c 27	N79-12221 *	#	US-PATENT-CLASS-428-473.5	c 27	N81-29229 *	#
US-PATENT-CLASS-428-114	c 24	N81-14000 *	#	US-PATENT-CLASS-428-332	c 24	N79-25142 *	#	US-PATENT-CLASS-428-473.5	c 27	N84-14322 *	#
US-PATENT-CLASS-428-116	c 24	N78-10214 *	#	US-PATENT-CLASS-428-332	c 27	N82-24340 *	#	US-PATENT-CLASS-428-473.5	c 27	N86-19458 *	#
US-PATENT-CLASS-428-116	c 24	N78-17149 *	#	US-PATENT-CLASS-428-334	c 74	N78-15879 *	#	US-PATENT-CLASS-428-473.5	c 27	N86-20561 *	#
US-PATENT-CLASS-428-116	c 24	N86-28131 *	#	US-PATENT-CLASS-428-336	c 74	N78-15879 *	#	US-PATENT-CLASS-428-473.5	c 24	N86-25416 *	#
US-PATENT-CLASS-428-117	c 37	N76-24575 *	#	US-PATENT-CLASS-428-336	c 27	N86-31727 *	#	US-PATENT-CLASS-428-473.5	c 27	N86-31726 *	#
US-PATENT-CLASS-428-117	c 24	N78-15180 *	#	US-PATENT-CLASS-428-339	c 27	N82-24340 *	#	US-PATENT-CLASS-428-473.5	c 27	N86-31727 *	#
US-PATENT-CLASS-428-117	c 24	N79-16915 *	#	US-PATENT-CLASS-428-341	c 27	N78-32260 *	#	US-PATENT-CLASS-428-473.5	c 27	N87-16909 *	#
US-PATENT-CLASS-428-119	c 24	N79-16915 *	#	US-PATENT-CLASS-428-347	c 27	N84-14323 *	#	US-PATENT-CLASS-428-474	c 34	N77-18382 *	#
US-PATENT-CLASS-428-133	c 37	N79-10422 *	#	US-PATENT-CLASS-428-35	c 34	N77-18382 *	#	US-PATENT-CLASS-428-474.4	c 24	N86-25416 *	#
US-PATENT-CLASS-428-137	c 24	N79-25142 *	#	US-PATENT-CLASS-428-366	c 24	N79-24062 *	#	US-PATENT-CLASS-428-474	c 27	N79-33316 *	#
US-PATENT-CLASS-428-138	c 24	N78-10214 *	#	US-PATENT-CLASS-428-367	c 27	N81-27272 *	#	US-PATENT-CLASS-428-474	c 27	N80-24437 *	#
US-PATENT-CLASS-428-139	c 23	N81-29160 *	#	US-PATENT-CLASS-428-367	c 24	N83-33950 *	#	US-PATENT-CLASS-428-477.7	c 24	N86-25416 *	#
US-PATENT-CLASS-428-140	c 24	N81-14000 *	#	US-PATENT-CLASS-428-367	c 27	N84-14322 *	#	US-PATENT-CLASS-428-480	c 24	N81-14000 *	#
US-PATENT-CLASS-428-141	c 24	N77-28225 *	#	US-PATENT-CLASS-428-368	c 24	N77-27188 *	#	US-PATENT-CLASS-428-493	c 27	N82-24340 *	#
US-PATENT-CLASS-428-141	c 27	N82-28440 *	#	US-PATENT-CLASS-428-368	c 27	N83-18908 *	#	US-PATENT-CLASS-428-49	c 27	N82-24339 *	#
US-PATENT-CLASS-428-141	c 27	N82-33521 *	#	US-PATENT-CLASS-428-370	c 24	N84-22745 *	#	US-PATENT-CLASS-428-49	c 27	N82-29456 *	#
US-PATENT-CLASS-428-155	c 37	N84-22957 *	#	US-PATENT-CLASS-428-375	c 27	N79-16915 *	#	US-PATENT-CLASS-428-500	c 27	N80-332516 *	#
US-PATENT-CLASS-428-161	c 24	N77-28225 *	#	US-PATENT-CLASS-428-375	c 24	N83-33950 *	#	US-PATENT-CLASS-428-500	c 27	N87-16909 *	#
US-PATENT-CLASS-428-182	c 18	N84-33450 *	#	US-PATENT-CLASS-428-392	c 24	N83-33950 *	#	US-PATENT-CLASS-428-515	c 27	N78-31233 *	#
US-PATENT-CLASS-428-184	c 18	N84-33450 *	#	US-PATENT-CLASS-428-406	c 27	N78-32260 *	#	US-PATENT-CLASS-428-522	c 27	N78-14164 *	#
US-PATENT-CLASS-428-189	c 27	N79-12221 *	#	US-PATENT-CLASS-428-408	c 27	N81-27272 *	#	US-PATENT-CLASS-428-523	c 27	N78-31233 *	#
US-PATENT-CLASS-428-192	c 27	N82-24339 *	#	US-PATENT-CLASS-428-408	c 27	N84-14322 *	#	US-PATENT-CLASS-428-528	c 24	N81-13999 *	#
US-PATENT-CLASS-428-193	c 27	N82-24339 *	#	US-PATENT-CLASS-428-408	c 27	N84-22745 *	#	US-PATENT-CLASS-428-538	c 27	N76-22377 *	#
US-PATENT-CLASS-428-202	c 27	N84-14323 *	#	US-PATENT-CLASS-428-408	c 27	N85-34281 *	#	US-PATENT-CLASS-428-538	c 27	N76-23426 *	#
US-PATENT-CLASS-428-212	c 27	N76-14264 *	#	US-PATENT-CLASS-428-408	c 24	N86-28131 *	#	US-PATENT-CLASS-428-538	c 27	N78-31233 *	#
US-PATENT-CLASS-428-212	c 27	N79-12221 *	#	US-PATENT-CLASS-428-40	c 27	N84-14323 *	#	US-PATENT-CLASS-428-539	c 27	N76-16229 *	#
US-PATENT-CLASS-428-212	c 27	N82-29456 *	#	US-PATENT-CLASS-428-410	c 23	N86-19376 *	#	US-PATENT-CLASS-428-541	c 24	N81-13999 *	#
US-PATENT-CLASS-428-214	c 27	N76-14264 *	#	US-PATENT-CLASS-428-411	c 27	N78-14164 *	#	US-PATENT-CLASS-428-564	c 26	N84-33555 *	#
US-PATENT-CLASS-428-218	c 27	N82-29456 *	#	US-PATENT-CLASS-428-411	c 27	N78-31233 *	#	US-PATENT-CLASS-428-593	c 24	N82-24296 *	#
US-PATENT-CLASS-428-218	c 24	N83-13171 *	#	US-PATENT-CLASS-428-412	c 27	N79-14214 *	#	US-PATENT-CLASS-428-593	c 24	N84-11214 *	#
US-PATENT-CLASS-428-220	c 15	N79-26100 *	#	US-PATENT-CLASS-428-412	c 27	N76-16230 *	#	US-PATENT-CLASS-428-594	c 24	N82-24296 *	#
US-PATENT-CLASS-428-241	c 27	N82-24339 *	#	US-PATENT-CLASS-428-412	c 27	N78-31233 *	#	US-PATENT-CLASS-428-594	c 24	N82-32417 *	#
US-PATENT-CLASS-428-241	c 27	N83-18908 *	#	US-PATENT-CLASS-428-412	c 74	N78-32854 *	#	US-PATENT-CLASS-428-595	c 18	N84-33450 *	#
US-PATENT-CLASS-428-242	c 27	N82-24339 *	#	US-PATENT-CLASS-428-412	c 27	N79-18052 *	#	US-PATENT-CLASS-428-604	c 24	N82-24296 *	#
US-PATENT-CLASS-428-244	c 27	N83-18908 *	#	US-PATENT-CLASS-428-413	c 27	N76-16230 *	#	US-PATENT-CLASS-428-604	c 24	N82-32417 *	#
US-PATENT-CLASS-428-245	c 27	N82-24339 *	#	US-PATENT-CLASS-428-413	c 15	N79-26100 *	#	US-PATENT-CLASS-428-607	c 24	N82-32417 *	#
US-PATENT-CLASS-428-245	c 27	N83-18908 *	#	US-PATENT-CLASS-428-413	c 24	N81-14000 *	#	US-PATENT-CLASS-428-608	c 24	N82-32417 *	#
US-PATENT-CLASS-428-246	c 27	N84-14322 *	#	US-PATENT-CLASS-428-413	c 27	N85-34281 *	#	US-PATENT-CLASS-428-623	c 27	N83-31855 *	#
US-PATENT-CLASS-428-246	c 03	N84-33394 *	#	US-PATENT-CLASS-428-414	c 15	N79-26100 *	#	US-PATENT-CLASS-428-629	c 44	N80-16452 *	#
US-PATENT-CLASS-428-247	c 33	N79-12331 *	#	US-PATENT-CLASS-428-416	c 27	N76-14264 *	#	US-PATENT-CLASS-428-632	c 26	N81-25188 *	#
US-PATENT-CLASS-428-247	c 33	N82-26571 *	#	US-PATENT-CLASS-428-416	c 24	N77-27188 *	#	US-PATENT-CLASS-428-632	c 26	N84-27855 *	#
US-PATENT-CLASS-428-251	c 27	N82-24339 *	#	US-PATENT-CLASS-428-418	c 15	N79-26100 *	#	US-PATENT-CLASS-428-633	c 34	N78-18355 *	#
US-PATENT-CLASS-428-257	c 27	N82-24339 *	#	US-PATENT-CLASS-428-421	c 34	N77-18382 *	#	US-PATENT-CLASS-428-633	c 27	N83-31855 *	#
US-PATENT-CLASS-428-258	c 33	N79-12331 *	#	US-PATENT-CLASS-428-421	c 15	N79-26100 *	#	US-PATENT-CLASS-428-633	c 24	N85-21266 *	#
US-PATENT-CLASS-428-259	c 33	N79-12331 *	#	US-PATENT-CLASS-428-421	c 27	N80-24437 *	#	US-PATENT-CLASS-428-633	c 24	N85-35233 *	#
US-PATENT-CLASS-428-260	c 27	N81-27272 *	#	US-PATENT-CLASS-428-421	c 76	N83-34796 *	#	US-PATENT-CLASS-428-639	c 26	N84-33555 *	#
US-PATENT-CLASS-428-260	c 27	N82-24339 *	#	US-PATENT-CLASS-428-421	c 27	N87-16909 *	#	US-PATENT-CLASS-428-63	c 24	N83-31772 *	#
US-PATENT-CLASS-428-260	c 27	N83-18908 *	#	US-PATENT-CLASS-428-422	c 27	N78-31233 *	#	US-PATENT-CLASS-428-641	c 26	N83-31795 *	#
US-PATENT-CLASS-428-260	c 27	N84-14322 *	#	US-PATENT-CLASS-428-422	c 76	N83-34796 *	#	US-PATENT-CLASS-428-650	c 44	N80-16452 *	#
US-PATENT-CLASS-428-260	c 27	N85-34281 *	#	US-PATENT-CLASS-428-422.5	c 03	N84-33394 *	#	US-PATENT-CLASS-428-650	c 26	N83-31795 *	#
US-PATENT-CLASS-428-262	c 27	N87-14516 *	#	US-PATENT-CLASS-428-425	c 24	N77-28225 *	#	US-PATENT-CLASS-428-652	c 34	N78-18355 *	#
US-PATENT-CLASS-428-263	c 27	N82-16238 *	#	US-PATENT-CLASS-428-426	c 74	N78-15879 *	#	US-PATENT-CLASS-428-652	c 44	N78-19599 *	#
US-PATENT-CLASS-428-264	c 27	N82-16238 *	#	US-PATENT-CLASS-428-427	c 27	N78-32260 *	#	US-PATENT-CLASS-428-656	c 24	N85-21266 *	#
US-PATENT-CLASS-428-265	c 27	N82-16238 *	#	US-PATENT-CLASS-428-427	c 44	N83-34448 *	#	US-PATENT-CLASS-428-656	c 24	N85-35233 *	#
US-PATENT-CLASS-428-266	c 27	N82-24339 *	#	US-PATENT-CLASS-428-428	c 27	N76-22377 *	#	US-PATENT-CLASS-428-658	c 44	N80-16452 *	#
US-PATENT-CLASS-428-267	c 27	N82-16238 *	#	US-PATENT-CLASS-428-428	c 27	N76-23426 *	#	US-PATENT-CLASS-428-667	c 34	N78-18355 *	#
US-PATENT-CLASS-428-272	c 27	N82-16238 *	#	US-PATENT-CLASS-428-428	c 74	N78-15879 *	#	US-PATENT-CLASS-428-667	c 44	N78-19599 *	#
US-PATENT-CLASS-428-280	c 27	N79-12221 *	#	US-PATENT-CLASS-428-428	c 27	N78-32260 *	#	US-PATENT-CLASS-428-675	c 44	N80-16452 *	#
US-PATENT-CLASS-428-280	c 03	N84-33394 *	#	US-PATENT-CLASS-428-428	c 44	N83-34448 *	#	US-PATENT-CLASS-428-678	c 26	N81-25188 *	#
US-PATENT-CLASS-428-282	c 24	N79-25142 *	#	US-PATENT-CLASS-428-432	c 27	N84-33589 *	#	US-PATENT-CLASS-428-678	c 27	N83-31855 *	#
US-PATENT-CLASS-428-283	c 24	N82-29362 *	#	US-PATENT-CLASS-428-432	c 76	N85-33826 *	#	US-PATENT-CLASS-428-678	c 26	N84-33555 *	#
US-PATENT-CLASS-428-283	c 27	N82-29456 *	#	US-PATENT-CLASS-428-446	c 27	N78-32260 *	#	US-PATENT-CLASS-428-678	c 24	N85-21266 *	#
US-PATENT-CLASS-428-284	c 24	N82-29362 *	#	US-PATENT-CLASS-428-446	c 27	N82-29456 *	#	US-PATENT-CLASS-428-678	c 24	N85-35233 *	#
US-PATENT-CLASS-428-285	c 27	N79-12221 *	#	US-PATENT-CLASS-428-446	c 27	N86-19458 *	#	US-PATENT-CLASS-428-679	c 44	N78-19599 *	#
US-PATENT-CLASS-428-286	c 27	N79-12221 *	#	US-PATENT-CLASS-428-447	c 27	N76-14264 *	#	US-PATENT-CLASS-428-679	c 26	N81-25188 *	#
US-PATENT-CLASS-428-286	c 24	N82-29362 *	#	US-PATENT-CLASS-428-447	c 27	N76-16230 *	#	US-PATENT-CLASS-428-679	c 24	N85-21266 *	#
US-PATENT-CLASS-428-287	c 03	N84-33394 *	#	US-PATENT-CLASS-428-447	c 27	N78-31233 *	#	US-PATENT-CLASS-428-679	c 24	N85-35233 *	#
US-PATENT-CLASS-428-288	c 24	N82-29362 *	#	US-PATENT-CLASS-428-447	c 74	N78-32854 *	#	US-PATENT-CLASS-428-680	c 44	N80-16452 *	#
US-PATENT-CLASS-428-289	c 27	N82-29456 *	#	US-PATENT-CLASS-428-447	c 27	N79-12221 *	#	US-PATENT-CLASS-428-680	c 26	N81-25188 *	#
US-PATENT-CLASS-428-290	c 24	N78-15180 *	#	US-PATENT-CLASS-428-447	c 27	N79-18052 *	#	US-PATENT-CLASS-428-680	c 26	N83-31795 *	#
US-PATENT-CLASS-428-290	c 24	N79-25142 *	#	US-PATENT-CLASS-428-447	c 24	N79-25142 *	#	US-PATENT-CLASS-428-680	c 24	N85-21266 *	#
US-PATENT-CLASS-428-294	c 24	N78-17150 *	#	US-PATENT-CLASS-428-447	c 27	N82-24339 *	#	US-PATENT-CLASS-428-680	c 24	N85-35233 *	#
US-PATENT-CLASS-428-294	c 76	N83-34796 *	#	US-PATENT-CLASS-428-447	c 27	N87-14516 *	#	US-PATENT-CLASS-428-681	c 24	N85-21266 *	#
US-PATENT-CLASS-428-301	c 24	N77-27188 *	#	US-PATENT-CLASS-428-448	c 27	N82-24339 *	#	US-PATENT-CLASS-428-682	c 24	N85-35233 *	#

REPORT NUMBER INDEX

US-PATENT-CLASS-52-DIG.10

US-PATENT-CLASS-428-71	c 24	N78-15180 *	#	US-PATENT-CLASS-429-27	c 27	N81-24257 *	#	US-PATENT-CLASS-435-842	c 23	N85-35227 *	#
US-PATENT-CLASS-428-71	c 03	N84-33394 *	#	US-PATENT-CLASS-429-27	c 23	N81-29160 *	#	US-PATENT-CLASS-435-8	c 51	N83-27569 *	#
US-PATENT-CLASS-428-73	c 24	N78-10214 *	#	US-PATENT-CLASS-429-27	c 44	N86-25874 *	#	US-PATENT-CLASS-436-155	c 25	N86-19413 *	#
US-PATENT-CLASS-428-73	c 24	N78-15180 *	#	US-PATENT-CLASS-429-28	c 27	N81-24257 *	#	US-PATENT-CLASS-436-2	c 35	N85-29213 *	#
US-PATENT-CLASS-428-73	c 24	N79-16915 *	#	US-PATENT-CLASS-429-28	c 23	N81-29160 *	#	US-PATENT-CLASS-44-1-SR	c 25	N85-35253 *	#
US-PATENT-CLASS-428-76	c 03	N84-33394 *	#	US-PATENT-CLASS-429-33	c 44	N79-17313 *	#	US-PATENT-CLASS-44-1R	c 44	N78-31527 *	#
US-PATENT-CLASS-428-77	c 27	N76-14264 *	#	US-PATENT-CLASS-429-33	c 44	N77-14581 *	#	US-PATENT-CLASS-44-1R	c 25	N81-33246 *	#
US-PATENT-CLASS-428-77	c 27	N79-12221 *	#	US-PATENT-CLASS-429-34	c 44	N83-27344 *	#	US-PATENT-CLASS-44-1SR	c 25	N82-29371 *	#
US-PATENT-CLASS-428-78	c 27	N84-14323 *	#	US-PATENT-CLASS-429-40	c 44	N82-29710 *	#	US-PATENT-CLASS-44-1SR	c 25	N83-31743 *	#
US-PATENT-CLASS-428-902	c 24	N77-27188 *	#	US-PATENT-CLASS-429-40	c 44	N82-27344 *	#	US-PATENT-CLASS-44-2	c 44	N78-31527 *	#
US-PATENT-CLASS-428-902	c 24	N78-10214 *	#	US-PATENT-CLASS-429-41	c 44	N79-10513 *	#	US-PATENT-CLASS-44-2	c 25	N81-33246 *	#
US-PATENT-CLASS-428-902	c 24	N78-17149 *	#	US-PATENT-CLASS-429-42	c 44	N79-10513 *	#	US-PATENT-CLASS-44-50	c 27	N81-17261 *	#
US-PATENT-CLASS-428-902	c 24	N81-14000 *	#	US-PATENT-CLASS-429-44	c 44	N84-28205 *	#	US-PATENT-CLASS-44-51	c 25	N79-11152 *	#
US-PATENT-CLASS-428-902	c 31	N81-25258 *	#	US-PATENT-CLASS-429-44	c 44	N86-19721 *	#	US-PATENT-CLASS-44-62	c 27	N81-17261 *	#
US-PATENT-CLASS-428-902	c 27	N81-27272 *	#	US-PATENT-CLASS-429-57	c 44	N86-25874 *	#	US-PATENT-CLASS-44-7R	c 28	N81-14103 *	#
US-PATENT-CLASS-428-902	c 27	N83-18908 *	#	US-PATENT-CLASS-429-58	c 35	N85-21596 *	#	US-PATENT-CLASS-44-77	c 06	N71-23499 *	#
US-PATENT-CLASS-428-902	c 24	N83-33950 *	#	US-PATENT-CLASS-429-58	c 35	N81-24521 *	#	US-PATENT-CLASS-445-35	c 37	N85-33489 *	#
US-PATENT-CLASS-428-902	c 27	N84-14322 *	#	US-PATENT-CLASS-429-94	c 44	N82-11432 *	#	US-PATENT-CLASS-455-102	c 33	N81-15192 *	#
US-PATENT-CLASS-428-902	c 27	N84-22745 *	#	US-PATENT-CLASS-430-17	c 35	N82-11432 *	#	US-PATENT-CLASS-455-137	c 35	N82-15381 *	#
US-PATENT-CLASS-428-903	c 24	N83-33950 *	#	US-PATENT-CLASS-430-271	c 27	N81-25209 *	#	US-PATENT-CLASS-455-139	c 35	N82-15381 *	#
US-PATENT-CLASS-428-911	c 27	N76-16230 *	#	US-PATENT-CLASS-430-325	c 27	N81-25209 *	#	US-PATENT-CLASS-455-202	c 33	N82-29539 *	#
US-PATENT-CLASS-428-911	c 24	N77-27188 *	#	US-PATENT-CLASS-430-329	c 27	N81-25209 *	#	US-PATENT-CLASS-455-202	c 32	N84-27952 *	#
US-PATENT-CLASS-428-913	c 34	N78-25350 *	#	US-PATENT-CLASS-430-330	c 27	N81-25209 *	#	US-PATENT-CLASS-455-208	c 33	N82-29539 *	#
US-PATENT-CLASS-428-913	c 27	N83-18908 *	#	US-PATENT-CLASS-430-372	c 35	N82-11432 *	#	US-PATENT-CLASS-455-208	c 32	N84-27952 *	#
US-PATENT-CLASS-428-913	c 76	N85-33826 *	#	US-PATENT-CLASS-431-10	c 34	N78-27357 *	#	US-PATENT-CLASS-455-234	c 33	N82-29539 *	#
US-PATENT-CLASS-428-920	c 27	N76-16230 *	#	US-PATENT-CLASS-431-10	c 25	N81-17151 *	#	US-PATENT-CLASS-455-260	c 32	N84-27952 *	#
US-PATENT-CLASS-428-920	c 27	N76-22377 *	#	US-PATENT-CLASS-431-116	c 44	N77-10636 *	#	US-PATENT-CLASS-455-265	c 32	N84-27952 *	#
US-PATENT-CLASS-428-920	c 27	N76-23426 *	#	US-PATENT-CLASS-431-11	c 44	N77-10636 *	#	US-PATENT-CLASS-455-278	c 32	N81-29308 *	#
US-PATENT-CLASS-428-920	c 24	N78-15180 *	#	US-PATENT-CLASS-431-158	c 25	N78-10224 *	#	US-PATENT-CLASS-455-306	c 33	N82-29539 *	#
US-PATENT-CLASS-428-920	c 27	N78-32260 *	#	US-PATENT-CLASS-431-162	c 44	N77-10636 *	#	US-PATENT-CLASS-455-51	c 32	N81-14186 *	#
US-PATENT-CLASS-428-920	c 27	N79-12221 *	#	US-PATENT-CLASS-431-163	c 44	N76-29704 *	#	US-PATENT-CLASS-455-60	c 35	N82-15381 *	#
US-PATENT-CLASS-428-920	c 24	N79-25142 *	#	US-PATENT-CLASS-431-170	c 44	N77-10636 *	#	US-PATENT-CLASS-455-610	c 74	N82-19029 *	#
US-PATENT-CLASS-428-920	c 15	N79-26100 *	#	US-PATENT-CLASS-431-173	c 23	N73-30665 *	#	US-PATENT-CLASS-455-612	c 74	N82-19029 *	#
US-PATENT-CLASS-428-920	c 27	N81-27272 *	#	US-PATENT-CLASS-431-1	c 25	N84-16276 *	#	US-PATENT-CLASS-455-612	c 74	N83-29032 *	#
US-PATENT-CLASS-428-920	c 27	N83-18908 *	#	US-PATENT-CLASS-431-202	c 25	N74-33378 *	#	US-PATENT-CLASS-455-615	c 74	N82-19029 *	#
US-PATENT-CLASS-428-920	c 27	N84-14322 *	#	US-PATENT-CLASS-431-208	c 25	N79-11151 *	#	US-PATENT-CLASS-455-617	c 74	N82-19029 *	#
US-PATENT-CLASS-428-920	c 27	N84-22745 *	#	US-PATENT-CLASS-431-210	c 44	N76-29704 *	#	US-PATENT-CLASS-455-619	c 32	N81-14186 *	#
US-PATENT-CLASS-428-920	c 27	N76-16230 *	#	US-PATENT-CLASS-431-2	c 07	N81-29129 *	#	US-PATENT-CLASS-455-71	c 32	N81-14186 *	#
US-PATENT-CLASS-428-921	c 24	N77-27188 *	#	US-PATENT-CLASS-431-328	c 34	N78-27357 *	#	US-PATENT-CLASS-455-73	c 32	N85-29118 *	#
US-PATENT-CLASS-428-921	c 24	N81-13999 *	#	US-PATENT-CLASS-431-352	c 28	N71-28915 *	#	US-PATENT-CLASS-467-28	c 39	N80-10507 *	#
US-PATENT-CLASS-428-921	c 03	N84-33394 *	#	US-PATENT-CLASS-431-352	c 25	N78-10224 *	#	US-PATENT-CLASS-47-1.2	c 51	N75-25503 *	#
US-PATENT-CLASS-428-921	c 24	N86-28131 *	#	US-PATENT-CLASS-431-41	c 44	N77-10636 *	#	US-PATENT-CLASS-47-1.4	c 31	N73-32750 *	#
US-PATENT-CLASS-428-922	c 27	N78-14164 *	#	US-PATENT-CLASS-431-4	c 44	N76-29704 *	#	US-PATENT-CLASS-47-17	c 31	N73-32750 *	#
US-PATENT-CLASS-428-938	c 27	N82-28441 *	#	US-PATENT-CLASS-431-7	c 34	N78-27357 *	#	US-PATENT-CLASS-47-26	c 37	N83-26078 *	#
US-PATENT-CLASS-428-93	c 34	N78-25350 *	#	US-PATENT-CLASS-431-9	c 23	N73-30665 *	#	US-PATENT-CLASS-47-39	c 51	N75-25503 *	#
US-PATENT-CLASS-428-941	c 27	N82-28441 *	#	US-PATENT-CLASS-432-18	c 35	N86-20750 *	#	US-PATENT-CLASS-47-58	c 51	N75-25503 *	#
US-PATENT-CLASS-428-94	c 34	N78-25350 *	#	US-PATENT-CLASS-432-223	c 25	N79-11151 *	#	US-PATENT-CLASS-47-58	c 51	N83-17045 *	#
US-PATENT-CLASS-428-95	c 34	N78-25350 *	#	US-PATENT-CLASS-432-227	c 35	N83-24828 *	#	US-PATENT-CLASS-47-58	c 45	N84-12654 *	#
US-PATENT-CLASS-428-96	c 34	N78-25350 *	#	US-PATENT-CLASS-432-264	c 33	N81-19389 *	#	US-PATENT-CLASS-474-205	c 37	N80-32717 *	#
US-PATENT-CLASS-428-97	c 34	N78-25350 *	#	US-PATENT-CLASS-432-29	c 25	N79-11151 *	#	US-PATENT-CLASS-474-220	c 37	N87-17034 *	#
US-PATENT-CLASS-429-101	c 44	N79-17313 *	#	US-PATENT-CLASS-432-58	c 35	N83-24828 *	#	US-PATENT-CLASS-48-DIG.8	c 28	N80-10374 *	#
US-PATENT-CLASS-429-101	c 44	N79-26474 *	#	US-PATENT-CLASS-433-118	c 52	N82-29862 *	#	US-PATENT-CLASS-48-10.3	c 28	N80-10374 *	#
US-PATENT-CLASS-429-105	c 33	N80-20487 *	#	US-PATENT-CLASS-433-125	c 52	N82-29862 *	#	US-PATENT-CLASS-48-102A	c 28	N80-10374 *	#
US-PATENT-CLASS-429-105	c 33	N80-20487 *	#	US-PATENT-CLASS-433-86	c 52	N82-29862 *	#	US-PATENT-CLASS-48-107	c 28	N80-10374 *	#
US-PATENT-CLASS-429-105	c 44	N83-27344 *	#	US-PATENT-CLASS-434-242	c 09	N85-19990 *	#	US-PATENT-CLASS-48-116	c 44	N76-18642 *	#
US-PATENT-CLASS-429-107	c 44	N77-22606 *	#	US-PATENT-CLASS-434-243	c 09	N85-19990 *	#	US-PATENT-CLASS-48-116	c 44	N77-10636 *	#
US-PATENT-CLASS-429-107	c 33	N80-20487 *	#	US-PATENT-CLASS-434-2	c 32	N84-27951 *	#	US-PATENT-CLASS-48-117	c 44	N76-18642 *	#
US-PATENT-CLASS-429-107	c 33	N80-20487 *	#	US-PATENT-CLASS-434-35	c 09	N85-19990 *	#	US-PATENT-CLASS-48-117	c 44	N77-10636 *	#
US-PATENT-CLASS-429-107	c 44	N83-27344 *	#	US-PATENT-CLASS-434-38	c 36	N83-34304 *	#	US-PATENT-CLASS-48-117	c 28	N80-10374 *	#
US-PATENT-CLASS-429-109	c 33	N80-20487 *	#	US-PATENT-CLASS-434-403	c 31	N83-34073 *	#	US-PATENT-CLASS-48-197-F	c 25	N86-25428 *	#
US-PATENT-CLASS-429-109	c 44	N83-27344 *	#	US-PATENT-CLASS-434-42	c 09	N82-24212 *	#	US-PATENT-CLASS-48-197R	c 44	N76-29704 *	#
US-PATENT-CLASS-429-109	c 44	N86-19721 *	#	US-PATENT-CLASS-434-43	c 09	N82-24212 *	#	US-PATENT-CLASS-48-197R	c 44	N77-10636 *	#
US-PATENT-CLASS-429-111	c 25	N84-12262 *	#	US-PATENT-CLASS-434-49	c 09	N85-19990 *	#	US-PATENT-CLASS-48-212	c 44	N77-10636 *	#
US-PATENT-CLASS-429-111	c 44	N84-23019 *	#	US-PATENT-CLASS-434-4	c 36	N83-34304 *	#	US-PATENT-CLASS-48-215	c 44	N76-29700 *	#
US-PATENT-CLASS-429-120	c 44	N81-24521 *	#	US-PATENT-CLASS-434-4	c 35	N86-32697 *	#	US-PATENT-CLASS-48-61	c 44	N77-10636 *	#
US-PATENT-CLASS-429-139	c 27	N80-32516 *	#	US-PATENT-CLASS-434-59	c 54	N81-27806 *	#	US-PATENT-CLASS-48-61	c 28	N80-10374 *	#
US-PATENT-CLASS-429-139	c 27	N81-24257 *	#	US-PATENT-CLASS-434-88	c 31	N83-34073 *	#	US-PATENT-CLASS-48-63	c 44	N76-18642 *	#
US-PATENT-CLASS-429-144	c 44	N82-29708 *	#	US-PATENT-CLASS-435-160	c 23	N85-35227 *	#	US-PATENT-CLASS-48-75	c 44	N76-18642 *	#
US-PATENT-CLASS-429-144	c 44	N83-32176 *	#	US-PATENT-CLASS-435-289	c 51	N80-27067 *	#	US-PATENT-CLASS-48-89	c 44	N82-16475 *	#
US-PATENT-CLASS-429-145	c 44	N79-26474 *	#	US-PATENT-CLASS-435-290	c 51	N83-27569 *	#	US-PATENT-CLASS-48-95	c 44	N76-18642 *	#
US-PATENT-CLASS-429-15	c 44	N86-19721 *	#	US-PATENT-CLASS-435-291	c 51	N80-27067 *	#	US-PATENT-CLASS-48-95	c 44	N76-29700 *	#
US-PATENT-CLASS-429-160	c 44	N81-24521 *	#	US-PATENT-CLASS-435-291	c 51	N80-27067 *	#	US-PATENT-CLASS-48-99	c 44	N82-16475 *	#
US-PATENT-CLASS-429-164	c 44	N81-24521 *	#	US-PATENT-CLASS-435-291	c 35	N81-28698 *	#	US-PATENT-CLASS-49-DIG.1	c 34	N78-25350 *	#
US-PATENT-CLASS-429-190	c 44	N77-22606 *	#	US-PATENT-CLASS-435-311	c 51	N82-28604 *	#	US-PATENT-CLASS-49-171	c 31	N81-19343 *	#
US-PATENT-CLASS-429-193	c 44	N82-29710 *	#	US-PATENT-CLASS-435-316	c 51	N83-27569 *	#	US-PATENT-CLASS-49-479	c 34	N78-25350 *	#
US-PATENT-CLASS-429-19	c 44	N86-19721 *	#	US-PATENT-CLASS-435-32	c 51	N80-27067 *	#	US-PATENT-CLASS-49-485	c 34	N78-25350 *	#
US-PATENT-CLASS-429-206	c 25	N83-13188 *	#	US-PATENT-CLASS-435-34	c 51	N80-27067 *	#	US-PATENT-CLASS-49-68	c 18	N74-22136 *	#
US-PATENT-CLASS-429-206	c 33	N84-14422 *	#	US-PATENT-CLASS-435-34	c 51	N80-16714 *	#	US-PATENT-CLASS-5-345	c 05	N70-33285 *	#
US-PATENT-CLASS-429-206	c 33	N85-29144 *	#	US-PATENT-CLASS-435-34	c 51	N80-27067 *	#	US-PATENT-CLASS-5-459	c 03	N84-33394 *	#
US-PATENT-CLASS-429-223	c 26	N84-22734 *	#	US-PATENT-CLASS-435-34	c 35	N82-28604 *	#	US-PATENT-CLASS-5-69	c 05	N72-11085 *	#
US-PATENT-CLASS-429-223	c 33	N84-14422 *	#	US-PATENT-CLASS-435-34	c 51	N81-28698 *	#	US-PATENT-CLASS-5-82	c 05	N71-23159 *	#
US-PATENT-CLASS-429-234	c 26	N84-22734 *	#	US-PATENT-CLASS-435-34	c 51	N82-28604 *	#	US-PATENT-CLASS-51-170	c 15	N71-26134 *	#
US-PATENT-CLASS-429-234	c 44	N77-14581 *	#	US-PATENT-CLASS-435-34	c 51	N83-27569 *	#	US-PATENT-CLASS-51-216	c 15	N72-20444 *	#
US-PATENT-CLASS-429-249	c 27	N81-24257 *	#	US-PATENT-CLASS-435-38	c 51	N83-28849 *	#	US-PATENT-CLASS-51-225	c 37	N74-27905 *	#
US-PATENT-CLASS-429-249	c 23	N81-29160 *	#	US-PATENT-CLASS-435-38	c 51	N80-27067 *	#	US-PATENT-CLASS-51-234	c 37	N78-17383 *	#
US-PATENT-CLASS-429-249	c 33	N85-29144 *	#	US-PATENT-CLASS-435-38	c 51	N83-27569 *	#	US-PATENT-CLASS-51-235	c 76	N80-18951 *	#
US-PATENT-CLASS-429-251	c 44	N82-29708 *	#	US-PATENT-CLASS-435-39	c 35	N80-27067 *	#	US-PATENT-CLASS-51-277	c 74	N80-24149 *	#
US-PATENT-CLASS-429-251	c 44	N83-32176 *	#	US-PATENT-CLASS-435-39	c 51	N82-28604 *	#	US-PATENT-CLASS-51-283R	c 74	N80-24149 *	#
US-PATENT-CLASS-429-253	c 44	N79-25481 *	#								

US-PATENT-CLASS-52-DIG.10	c 18	N72-25541 *	#	US-PATENT-CLASS-523-445	c 27	N86-27451 *	#	US-PATENT-CLASS-526-262	c 27	N85-21352 *	#
US-PATENT-CLASS-52-108	c 15	N72-18477 *	#	US-PATENT-CLASS-523-454	c 24	N84-34571 *	#	US-PATENT-CLASS-526-262	c 25	N85-28982 *	#
US-PATENT-CLASS-52-108	c 31	N81-27323 *	#	US-PATENT-CLASS-523-454	c 27	N85-34282 *	#	US-PATENT-CLASS-526-262	c 25	N85-30039 *	#
US-PATENT-CLASS-52-109	c 31	N73-32749 *	#	US-PATENT-CLASS-523-456	c 24	N84-11213 *	#	US-PATENT-CLASS-526-262	c 27	N86-20560 *	#
US-PATENT-CLASS-52-110	c 37	N86-25791 *	#	US-PATENT-CLASS-523-458	c 24	N84-34571 *	#	US-PATENT-CLASS-526-262	c 24	N86-21590 *	#
US-PATENT-CLASS-52-111	c 31	N81-27324 *	#	US-PATENT-CLASS-523-458	c 27	N85-34282 *	#	US-PATENT-CLASS-526-265	c 24	N86-28131 *	#
US-PATENT-CLASS-52-111	c 37	N86-25789 *	#	US-PATENT-CLASS-523-461	c 27	N86-27451 *	#	US-PATENT-CLASS-526-274	c 27	N85-21347 *	#
US-PATENT-CLASS-52-111	c 37	N86-32737 *	#	US-PATENT-CLASS-523-66468	c 24	N86-19380 *	#	US-PATENT-CLASS-526-275	c 27	N78-32256 *	#
US-PATENT-CLASS-52-117	c 44	N77-32582 *	#	US-PATENT-CLASS-524-104	c 27	N83-28240 *	#	US-PATENT-CLASS-526-275	c 27	N80-24438 *	#
US-PATENT-CLASS-52-126.5	c 31	N87-16918 *	#	US-PATENT-CLASS-524-171	c 27	N84-22747 *	#	US-PATENT-CLASS-526-276	c 27	N78-32256 *	#
US-PATENT-CLASS-52-127.7	c 37	N85-30335 *	#	US-PATENT-CLASS-524-173	c 27	N83-28240 *	#	US-PATENT-CLASS-526-276	c 27	N80-24438 *	#
US-PATENT-CLASS-52-127	c 15	N71-21531 *	#	US-PATENT-CLASS-524-233	c 27	N83-28240 *	#	US-PATENT-CLASS-526-278	c 27	N78-32256 *	#
US-PATENT-CLASS-52-169	c 15	N72-25454 *	#	US-PATENT-CLASS-524-371	c 27	N84-14322 *	#	US-PATENT-CLASS-526-278	c 27	N80-24438 *	#
US-PATENT-CLASS-52-171	c 11	N73-12265 *	#	US-PATENT-CLASS-524-388	c 27	N85-29044 *	#	US-PATENT-CLASS-526-278	c 27	N78-32256 *	#
US-PATENT-CLASS-52-171	c 74	N85-29750 *	#	US-PATENT-CLASS-524-436	c 27	N83-19900 *	#	US-PATENT-CLASS-526-285	c 27	N83-34040 *	#
US-PATENT-CLASS-52-173R	c 44	N77-31601 *	#	US-PATENT-CLASS-524-437	c 27	N83-19900 *	#	US-PATENT-CLASS-526-285	c 27	N86-27450 *	#
US-PATENT-CLASS-52-173	c 15	N72-25454 *	#	US-PATENT-CLASS-524-494	c 27	N84-14322 *	#	US-PATENT-CLASS-526-328	c 27	N85-29043 *	#
US-PATENT-CLASS-52-1	c 15	N72-28496 *	#	US-PATENT-CLASS-524-496	c 27	N84-14322 *	#	US-PATENT-CLASS-526-329.2	c 27	N85-29043 *	#
US-PATENT-CLASS-52-232	c 37	N81-14317 *	#	US-PATENT-CLASS-524-500	c 27	N84-14322 *	#	US-PATENT-CLASS-526-49	c 27	N78-32256 *	#
US-PATENT-CLASS-52-236	c 39	N76-31562 *	#	US-PATENT-CLASS-524-503	c 27	N83-19900 *	#	US-PATENT-CLASS-526-50	c 27	N78-32256 *	#
US-PATENT-CLASS-52-249	c 33	N71-25351 *	#	US-PATENT-CLASS-524-530	c 27	N84-14322 *	#	US-PATENT-CLASS-526-7	c 44	N79-25481 *	#
US-PATENT-CLASS-52-272	c 31	N71-24035 *	#	US-PATENT-CLASS-524-548	c 27	N86-20560 *	#	US-PATENT-CLASS-526-88	c 25	N81-19242 *	#
US-PATENT-CLASS-52-284	c 32	N73-13921 *	#	US-PATENT-CLASS-524-564	c 27	N83-19900 *	#	US-PATENT-CLASS-526-914	c 28	N81-15119 *	#
US-PATENT-CLASS-52-2	c 32	N71-21045 *	#	US-PATENT-CLASS-524-567	c 27	N85-29044 *	#	US-PATENT-CLASS-526-9	c 44	N79-25481 *	#
US-PATENT-CLASS-52-2	c 44	N77-32583 *	#	US-PATENT-CLASS-524-726	c 27	N83-28240 *	#	US-PATENT-CLASS-528-102	c 24	N86-19380 *	#
US-PATENT-CLASS-52-309.15	c 31	N87-16918 *	#	US-PATENT-CLASS-524-786	c 27	N83-19900 *	#	US-PATENT-CLASS-528-103	c 24	N86-19380 *	#
US-PATENT-CLASS-52-309.1	c 31	N81-25258 *	#	US-PATENT-CLASS-525-107	c 27	N85-34281 *	#	US-PATENT-CLASS-528-106	c 27	N85-34282 *	#
US-PATENT-CLASS-52-391	c 31	N87-16918 *	#	US-PATENT-CLASS-525-108	c 27	N86-27451 *	#	US-PATENT-CLASS-528-108	c 23	N86-32525 *	#
US-PATENT-CLASS-52-3	c 31	N71-16080 *	#	US-PATENT-CLASS-525-113	c 27	N85-34281 *	#	US-PATENT-CLASS-528-110	c 24	N84-11213 *	#
US-PATENT-CLASS-52-404	c 33	N71-25351 *	#	US-PATENT-CLASS-525-115	c 27	N86-27451 *	#	US-PATENT-CLASS-528-113	c 27	N85-34281 *	#
US-PATENT-CLASS-52-404	c 16	N84-22601 *	#	US-PATENT-CLASS-525-119	c 27	N85-34281 *	#	US-PATENT-CLASS-528-117	c 27	N85-34281 *	#
US-PATENT-CLASS-52-506	c 16	N84-22601 *	#	US-PATENT-CLASS-525-119	c 27	N86-27451 *	#	US-PATENT-CLASS-528-118	c 27	N81-17260 *	#
US-PATENT-CLASS-52-506	c 37	N85-30335 *	#	US-PATENT-CLASS-525-122	c 27	N86-27451 *	#	US-PATENT-CLASS-528-124	c 23	N86-32525 *	#
US-PATENT-CLASS-52-511	c 31	N87-16918 *	#	US-PATENT-CLASS-525-181	c 27	N83-28240 *	#	US-PATENT-CLASS-528-125	c 27	N83-34040 *	#
US-PATENT-CLASS-52-51	c 44	N77-31601 *	#	US-PATENT-CLASS-525-181	c 27	N85-21349 *	#	US-PATENT-CLASS-528-125	c 27	N84-22749 *	#
US-PATENT-CLASS-52-573	c 15	N72-28496 *	#	US-PATENT-CLASS-525-182	c 27	N85-21349 *	#	US-PATENT-CLASS-528-125	c 27	N85-21348 *	#
US-PATENT-CLASS-52-594	c 15	N72-25454 *	#	US-PATENT-CLASS-525-183	c 27	N83-28240 *	#	US-PATENT-CLASS-528-126	c 27	N79-28307 *	#
US-PATENT-CLASS-52-594	c 32	N73-13921 *	#	US-PATENT-CLASS-525-183	c 27	N85-21349 *	#	US-PATENT-CLASS-528-126	c 27	N82-11206 *	#
US-PATENT-CLASS-52-632	c 31	N81-27324 *	#	US-PATENT-CLASS-525-184	c 27	N83-28240 *	#	US-PATENT-CLASS-528-126	c 27	N83-34040 *	#
US-PATENT-CLASS-52-632	c 31	N86-19479 *	#	US-PATENT-CLASS-525-184	c 27	N85-21349 *	#	US-PATENT-CLASS-528-126	c 27	N85-21348 *	#
US-PATENT-CLASS-52-632	c 37	N86-32737 *	#	US-PATENT-CLASS-525-186	c 27	N85-34281 *	#	US-PATENT-CLASS-528-127	c 27	N79-28307 *	#
US-PATENT-CLASS-52-637	c 39	N76-31562 *	#	US-PATENT-CLASS-525-186	c 27	N86-20560 *	#	US-PATENT-CLASS-528-128	c 27	N79-28307 *	#
US-PATENT-CLASS-52-637	c 31	N86-19479 *	#	US-PATENT-CLASS-525-229	c 27	N85-34281 *	#	US-PATENT-CLASS-528-128	c 27	N83-34040 *	#
US-PATENT-CLASS-52-645	c 31	N81-25259 *	#	US-PATENT-CLASS-525-262	c 27	N85-29043 *	#	US-PATENT-CLASS-528-128	c 27	N84-22749 *	#
US-PATENT-CLASS-52-645	c 37	N86-25789 *	#	US-PATENT-CLASS-525-282	c 27	N84-14322 *	#	US-PATENT-CLASS-528-128	c 27	N85-21348 *	#
US-PATENT-CLASS-52-645	c 37	N86-32737 *	#	US-PATENT-CLASS-525-282	c 27	N87-15304 *	#	US-PATENT-CLASS-528-12	c 27	N83-34040 *	#
US-PATENT-CLASS-52-646	c 31	N73-32749 *	#	US-PATENT-CLASS-525-287	c 27	N84-14322 *	#	US-PATENT-CLASS-528-166	c 27	N85-21348 *	#
US-PATENT-CLASS-52-646	c 31	N86-19479 *	#	US-PATENT-CLASS-525-326	c 27	N80-24438 *	#	US-PATENT-CLASS-528-167	c 27	N85-21347 *	#
US-PATENT-CLASS-52-646	c 37	N86-32737 *	#	US-PATENT-CLASS-525-336	c 27	N80-24438 *	#	US-PATENT-CLASS-528-168	c 27	N81-27271 *	#
US-PATENT-CLASS-52-648	c 11	N72-25287 *	#	US-PATENT-CLASS-525-340	c 27	N80-24438 *	#	US-PATENT-CLASS-528-168	c 27	N82-18389 *	#
US-PATENT-CLASS-52-648	c 39	N76-31562 *	#	US-PATENT-CLASS-525-375	c 27	N80-24438 *	#	US-PATENT-CLASS-528-168	c 27	N85-21347 *	#
US-PATENT-CLASS-52-648	c 31	N81-25258 *	#	US-PATENT-CLASS-525-375	c 27	N80-24438 *	#	US-PATENT-CLASS-528-168	c 27	N85-34280 *	#
US-PATENT-CLASS-52-648	c 31	N86-19479 *	#	US-PATENT-CLASS-525-384	c 28	N81-15119 *	#	US-PATENT-CLASS-528-168	c 27	N87-16909 *	#
US-PATENT-CLASS-52-648	c 37	N86-25789 *	#	US-PATENT-CLASS-525-389	c 27	N84-22750 *	#	US-PATENT-CLASS-528-170	c 27	N85-21347 *	#
US-PATENT-CLASS-52-64	c 31	N73-32749 *	#	US-PATENT-CLASS-525-417	c 27	N84-22745 *	#	US-PATENT-CLASS-528-170	c 24	N86-25416 *	#
US-PATENT-CLASS-52-651	c 39	N76-31562 *	#	US-PATENT-CLASS-525-420	c 27	N85-20123 *	#	US-PATENT-CLASS-528-170	c 27	N86-31726 *	#
US-PATENT-CLASS-52-655	c 11	N72-25287 *	#	US-PATENT-CLASS-525-423	c 24	N86-19380 *	#	US-PATENT-CLASS-528-171	c 27	N86-27450 *	#
US-PATENT-CLASS-52-705	c 37	N76-19437 *	#	US-PATENT-CLASS-525-426	c 27	N80-26446 *	#	US-PATENT-CLASS-528-172	c 27	N82-11206 *	#
US-PATENT-CLASS-52-71	c 18	N75-27040 *	#	US-PATENT-CLASS-525-432	c 27	N84-22746 *	#	US-PATENT-CLASS-528-172	c 27	N84-22749 *	#
US-PATENT-CLASS-52-726	c 39	N76-31562 *	#	US-PATENT-CLASS-525-436	c 27	N86-19456 *	#	US-PATENT-CLASS-528-173	c 27	N82-11206 *	#
US-PATENT-CLASS-52-726	c 31	N81-25258 *	#	US-PATENT-CLASS-525-474	c 27	N86-19456 *	#	US-PATENT-CLASS-528-174	c 27	N86-27450 *	#
US-PATENT-CLASS-52-743	c 37	N81-14317 *	#	US-PATENT-CLASS-525-474	c 27	N83-28240 *	#	US-PATENT-CLASS-528-176	c 27	N86-27450 *	#
US-PATENT-CLASS-52-745	c 39	N76-31562 *	#	US-PATENT-CLASS-525-474	c 27	N85-21349 *	#	US-PATENT-CLASS-528-179	c 27	N86-19456 *	#
US-PATENT-CLASS-52-745	c 31	N81-27323 *	#	US-PATENT-CLASS-525-477	c 27	N85-29043 *	#	US-PATENT-CLASS-528-180	c 27	N82-11206 *	#
US-PATENT-CLASS-52-745	c 37	N85-30335 *	#	US-PATENT-CLASS-525-484	c 24	N84-34571 *	#	US-PATENT-CLASS-528-182	c 27	N86-19456 *	#
US-PATENT-CLASS-52-749	c 39	N76-31562 *	#	US-PATENT-CLASS-525-484	c 25	N80-23383 *	#	US-PATENT-CLASS-528-183	c 27	N84-22746 *	#
US-PATENT-CLASS-52-758F	c 37	N76-19437 *	#	US-PATENT-CLASS-525-527	c 24	N86-19380 *	#	US-PATENT-CLASS-528-183	c 27	N85-20123 *	#
US-PATENT-CLASS-52-806	c 24	N84-11214 *	#	US-PATENT-CLASS-525-532	c 23	N85-28973 *	#	US-PATENT-CLASS-528-183	c 27	N86-29039 *	#
US-PATENT-CLASS-52-808	c 18	N72-25540 *	#	US-PATENT-CLASS-525-534	c 27	N84-22747 *	#	US-PATENT-CLASS-528-185	c 27	N84-22749 *	#
US-PATENT-CLASS-52-80	c 18	N72-25541 *	#	US-PATENT-CLASS-525-534	c 23	N85-28973 *	#	US-PATENT-CLASS-528-185	c 27	N85-21348 *	#
US-PATENT-CLASS-52-80	c 31	N73-32749 *	#	US-PATENT-CLASS-525-535	c 27	N86-27450 *	#	US-PATENT-CLASS-528-185	c 27	N86-19456 *	#
US-PATENT-CLASS-52-814	c 18	N84-33450 *	#	US-PATENT-CLASS-525-535	c 27	N84-22747 *	#	US-PATENT-CLASS-528-186	c 27	N85-21348 *	#
US-PATENT-CLASS-52-814	c 31	N87-16918 *	#	US-PATENT-CLASS-525-536	c 27	N86-27450 *	#	US-PATENT-CLASS-528-187	c 27	N85-21348 *	#
US-PATENT-CLASS-52-81	c 37	N82-32732 *	#	US-PATENT-CLASS-525-561	c 23	N84-22747 *	#	US-PATENT-CLASS-528-192	c 27	N85-20123 *	#
US-PATENT-CLASS-521-124	c 25	N80-16116 *	#	US-PATENT-CLASS-525-561	c 27	N81-29160 *	#	US-PATENT-CLASS-528-207	c 27	N80-16158 *	#
US-PATENT-CLASS-521-125	c 25	N80-16116 *	#	US-PATENT-CLASS-525-561	c 23	N81-24257 *	#	US-PATENT-CLASS-528-207	c 27	N82-11206 *	#
US-PATENT-CLASS-521-127	c 25	N80-16116 *	#	US-PATENT-CLASS-525-561	c 23	N81-29160 *	#	US-PATENT-CLASS-528-208	c 27	N80-16158 *	#
US-PATENT-CLASS-521-141	c 51	N84-28361 *	#	US-PATENT-CLASS-525-561	c 25	N83-13188 *	#	US-PATENT-CLASS-528-208	c 27	N82-11206 *	#
US-PATENT-CLASS-521-142	c 51	N84-28361 *	#	US-PATENT-CLASS-526-13	c 27	N78-32256 *	#	US-PATENT-CLASS-528-210	c 27	N82-11206 *	#
US-PATENT-CLASS-521-146	c 25	N80-23383 *	#	US-PATENT-CLASS-526-193	c 27	N78-15276 *	#	US-PATENT-CLASS-528-211	c 27	N82-11206 *	#
US-PATENT-CLASS-521-149	c 51	N84-28361 *	#	US-PATENT-CLASS-526-201	c 25	N76-24405 *	#	US-PATENT-CLASS-528-220	c 27	N83-34040 *	#
US-PATENT-CLASS-521-157	c 25	N80-16116 *	#	US-PATENT-CLASS-526-204	c 25	N81-19242 *	#	US-PATENT-CLASS-528-220	c 27	N84-22746 *	#
US-PATENT-CLASS-521-27	c 27	N81-14076 *	#	US-PATENT-CLASS-526-217	c 27	N85-30039 *	#	US-PATENT-CLASS-528-220	c 24	N85-20123 *	#
US-PATENT-CLASS-521-32	c 27	N81-14076 *	#	US-PATENT-CLASS-526-217	c 25	N85-21350 *	#	US-PATENT-CLASS-528-220	c 27	N86-25416 *	#
US-PATENT-CLASS-521-55	c 25	N80-23383 *	#	US-PATENT-CLASS-526-225	c 27	N85-30039 *	#	US-PATENT-CLASS-528-221	c 27	N86-31726 *	#
US-PATENT-CLASS-521-62	c 27	N81-14076 *	#	US-PATENT-CLASS-526-233	c 27	N78-15276 *	#	US-PATENT-CLASS-528-222	c 27	N79-28307 *	#
US-PATENT-CLASS-521-918	c 25	N80-23383 *	#	US-PATENT-CLASS-526-255	c 27	N78-32256 *	#	US-PATENT-CLASS-528-222	c 27	N81-29229 *	#
US-PATENT-CLASS-523-135	c 27	N85-29044 *	#	US-PATENT-CLASS-526-259	c 27	N76-24405 *	#	US-PAT			

REPORT NUMBER INDEX

US-PATENT-CLASS-60-202

US-PATENT-CLASS-528-227	c 27	N79-28307 *	#	US-PATENT-CLASS-528-394	c 27	N84-22750 *	#	US-PATENT-CLASS-55-194	c 35	N83-29652 *	#
US-PATENT-CLASS-528-228	c 27	N81-27272 *	#	US-PATENT-CLASS-528-399	c 27	N81-27271 *	#	US-PATENT-CLASS-55-197	c 23	N77-17161 *	#
US-PATENT-CLASS-528-228	c 27	N82-11206 *	#	US-PATENT-CLASS-528-399	c 27	N82-18389 *	#	US-PATENT-CLASS-55-199	c 34	N74-30608 *	#
US-PATENT-CLASS-528-228	c 27	N83-34040 *	#	US-PATENT-CLASS-528-399	c 27	N84-22750 *	#	US-PATENT-CLASS-55-202	c 35	N83-29652 *	#
US-PATENT-CLASS-528-228	c 27	N84-22745 *	#	US-PATENT-CLASS-528-399	c 23	N86-32525 *	#	US-PATENT-CLASS-55-204	c 15	N71-23023 *	#
US-PATENT-CLASS-528-229	c 27	N79-28307 *	#	US-PATENT-CLASS-528-401	c 27	N79-22300 *	#	US-PATENT-CLASS-55-204	c 44	N83-10501 *	#
US-PATENT-CLASS-528-229	c 27	N79-33316 *	#	US-PATENT-CLASS-528-401	c 25	N81-14016 *	#	US-PATENT-CLASS-55-208	c 14	N71-18483 *	#
US-PATENT-CLASS-528-229	c 27	N81-29229 *	#	US-PATENT-CLASS-528-401	c 27	N81-17259 *	#	US-PATENT-CLASS-55-241	c 35	N79-17192 *	#
US-PATENT-CLASS-528-229	c 27	N83-34040 *	#	US-PATENT-CLASS-528-401	c 27	N81-17262 *	#	US-PATENT-CLASS-55-242	c 35	N79-17192 *	#
US-PATENT-CLASS-528-229	c 27	N85-21348 *	#	US-PATENT-CLASS-528-401	c 27	N82-24338 *	#	US-PATENT-CLASS-55-255	c 35	N86-29174 *	#
US-PATENT-CLASS-528-229	c 27	N85-21350 *	#	US-PATENT-CLASS-528-401	c 23	N82-28353 *	#	US-PATENT-CLASS-55-259	c 35	N86-29174 *	#
US-PATENT-CLASS-528-229	c 27	N85-21351 *	#	US-PATENT-CLASS-528-401	c 27	N84-22744 *	#	US-PATENT-CLASS-55-26-9	c 35	N78-12801 *	#
US-PATENT-CLASS-528-229	c 27	N85-21352 *	#	US-PATENT-CLASS-528-402	c 25	N82-24312 *	#	US-PATENT-CLASS-55-261	c 35	N76-18490 *	#
US-PATENT-CLASS-528-229	c 27	N85-34280 *	#	US-PATENT-CLASS-528-406	c 23	N86-32525 *	#	US-PATENT-CLASS-55-269	c 54	N77-32722 *	#
US-PATENT-CLASS-528-229	c 27	N85-34282 *	#	US-PATENT-CLASS-528-407	c 24	N84-34571 *	#	US-PATENT-CLASS-55-270	c 35	N84-17555 *	#
US-PATENT-CLASS-528-229	c 27	N86-19457 *	#	US-PATENT-CLASS-528-407	c 27	N85-34281 *	#	US-PATENT-CLASS-55-277	c 71	N83-35781 *	#
US-PATENT-CLASS-528-239	c 27	N85-20124 *	#	US-PATENT-CLASS-528-407	c 27	N85-34282 *	#	US-PATENT-CLASS-55-277	c 71	N85-22104 *	#
US-PATENT-CLASS-528-241	c 27	N85-20124 *	#	US-PATENT-CLASS-528-407	c 23	N86-32525 *	#	US-PATENT-CLASS-55-283	c 35	N84-17555 *	#
US-PATENT-CLASS-528-258	c 27	N85-20124 *	#	US-PATENT-CLASS-528-422	c 27	N79-22300 *	#	US-PATENT-CLASS-55-291	c 35	N84-17555 *	#
US-PATENT-CLASS-528-25	c 27	N84-22747 *	#	US-PATENT-CLASS-528-422	c 25	N81-14016 *	#	US-PATENT-CLASS-55-2	c 25	N78-25148 *	#
US-PATENT-CLASS-528-26	c 27	N84-22747 *	#	US-PATENT-CLASS-528-422	c 27	N81-17259 *	#	US-PATENT-CLASS-55-2	c 28	N81-14103 *	#
US-PATENT-CLASS-528-26	c 27	N87-14516 *	#	US-PATENT-CLASS-528-422	c 27	N81-17262 *	#	US-PATENT-CLASS-55-2	c 35	N84-17555 *	#
US-PATENT-CLASS-528-271	c 27	N84-27884 *	#	US-PATENT-CLASS-528-422	c 27	N82-24338 *	#	US-PATENT-CLASS-55-306	c 28	N78-34788 *	#
US-PATENT-CLASS-528-279	c 27	N85-20124 *	#	US-PATENT-CLASS-528-422	c 23	N82-28353 *	#	US-PATENT-CLASS-55-35	c 05	N70-41297 *	#
US-PATENT-CLASS-528-288	c 27	N85-29043 *	#	US-PATENT-CLASS-528-422	c 27	N84-22744 *	#	US-PATENT-CLASS-55-360	c 35	N79-17192 *	#
US-PATENT-CLASS-528-289	c 27	N85-29043 *	#	US-PATENT-CLASS-528-423	c 27	N81-17259 *	#	US-PATENT-CLASS-55-386	c 35	N75-26334 *	#
US-PATENT-CLASS-528-303	c 27	N85-29043 *	#	US-PATENT-CLASS-528-423	c 27	N84-22744 *	#	US-PATENT-CLASS-55-38	c 71	N83-35781 *	#
US-PATENT-CLASS-528-304	c 27	N85-29043 *	#	US-PATENT-CLASS-528-481	c 27	N80-24438 *	#	US-PATENT-CLASS-55-3	c 35	N78-12390 *	#
US-PATENT-CLASS-528-310	c 27	N81-17262 *	#	US-PATENT-CLASS-528-4	c 27	N81-27271 *	#	US-PATENT-CLASS-55-400	c 11	N71-10777 *	#
US-PATENT-CLASS-528-310	c 27	N81-24256 *	#	US-PATENT-CLASS-528-4	c 27	N82-18389 *	#	US-PATENT-CLASS-55-407	c 35	N79-17192 *	#
US-PATENT-CLASS-528-310	c 27	N82-24338 *	#	US-PATENT-CLASS-528-6	c 27	N81-27271 *	#	US-PATENT-CLASS-55-408	c 15	N70-40062 *	#
US-PATENT-CLASS-528-310	c 27	N84-27884 *	#	US-PATENT-CLASS-528-6	c 27	N82-18389 *	#	US-PATENT-CLASS-55-418	c 15	N71-22721 *	#
US-PATENT-CLASS-528-310	c 23	N86-19376 *	#	US-PATENT-CLASS-528-6	c 27	N84-22750 *	#	US-PATENT-CLASS-55-43	c 34	N74-30608 *	#
US-PATENT-CLASS-528-314	c 25	N85-30039 *	#	US-PATENT-CLASS-528-73	c 25	N80-16116 *	#	US-PATENT-CLASS-55-446	c 15	N72-22489 *	#
US-PATENT-CLASS-528-315	c 27	N85-21350 *	#	US-PATENT-CLASS-528-7	c 27	N82-18389 *	#	US-PATENT-CLASS-55-464	c 15	N72-22489 *	#
US-PATENT-CLASS-528-321	c 27	N85-21347 *	#	US-PATENT-CLASS-528-7	c 27	N84-22750 *	#	US-PATENT-CLASS-55-466	c 35	N84-17555 *	#
US-PATENT-CLASS-528-321	c 24	N86-25416 *	#	US-PATENT-CLASS-528-86	c 23	N85-28973 *	#	US-PATENT-CLASS-55-493	c 14	N72-23457 *	#
US-PATENT-CLASS-528-321	c 27	N86-31726 *	#	US-PATENT-CLASS-528-92	c 24	N84-34571 *	#	US-PATENT-CLASS-55-498	c 14	N72-23457 *	#
US-PATENT-CLASS-528-321	c 27	N87-16909 *	#	US-PATENT-CLASS-528-92	c 27	N85-34282 *	#	US-PATENT-CLASS-55-502	c 14	N72-23457 *	#
US-PATENT-CLASS-528-322	c 27	N81-17260 *	#	US-PATENT-CLASS-528-94	c 27	N85-34281 *	#	US-PATENT-CLASS-55-510	c 25	N74-12813 *	#
US-PATENT-CLASS-528-322	c 27	N84-22745 *	#	US-PATENT-CLASS-528345	c 27	N86-19457 *	#	US-PATENT-CLASS-55-518	c 25	N74-12813 *	#
US-PATENT-CLASS-528-322	c 27	N84-27885 *	#	US-PATENT-CLASS-53-102	c 15	N71-21528 *	#	US-PATENT-CLASS-55-521	c 14	N72-23457 *	#
US-PATENT-CLASS-528-322	c 27	N85-21347 *	#	US-PATENT-CLASS-53-112A	c 15	N73-27405 *	#	US-PATENT-CLASS-55-521	c 35	N86-29174 *	#
US-PATENT-CLASS-528-322	c 27	N85-21350 *	#	US-PATENT-CLASS-53-22A	c 15	N73-27405 *	#	US-PATENT-CLASS-55-523	c 34	N76-27515 *	#
US-PATENT-CLASS-528-322	c 27	N85-21351 *	#	US-PATENT-CLASS-53-22	c 15	N71-23256 *	#	US-PATENT-CLASS-55-526	c 34	N76-27515 *	#
US-PATENT-CLASS-528-322	c 27	N85-21352 *	#	US-PATENT-CLASS-53-429	c 09	N82-29330 *	#	US-PATENT-CLASS-55-528	c 35	N86-29174 *	#
US-PATENT-CLASS-528-322	c 25	N85-28982 *	#	US-PATENT-CLASS-53-9	c 37	N77-23482 *	#	US-PATENT-CLASS-55-52	c 71	N83-35781 *	#
US-PATENT-CLASS-528-322	c 25	N85-30039 *	#	US-PATENT-CLASS-536-105	c 27	N77-30236 *	#	US-PATENT-CLASS-55-55	c 06	N72-31140 *	#
US-PATENT-CLASS-528-322	c 27	N86-19457 *	#	US-PATENT-CLASS-536-536-85	c 27	N77-30236 *	#	US-PATENT-CLASS-55-66	c 25	N80-23383 *	#
US-PATENT-CLASS-528-322	c 24	N86-25416 *	#	US-PATENT-CLASS-536-56	c 27	N77-30236 *	#	US-PATENT-CLASS-55-67	c 23	N77-17161 *	#
US-PATENT-CLASS-528-322	c 27	N86-31726 *	#	US-PATENT-CLASS-536-58	c 27	N77-30236 *	#	US-PATENT-CLASS-55-67	c 25	N80-23383 *	#
US-PATENT-CLASS-528-322	c 27	N87-16909 *	#	US-PATENT-CLASS-536-84	c 27	N77-30236 *	#	US-PATENT-CLASS-55-68	c 25	N80-23383 *	#
US-PATENT-CLASS-528-327	c 27	N84-27884 *	#	US-PATENT-CLASS-538-117	c 27	N81-17260 *	#	US-PATENT-CLASS-55-6	c 35	N84-17555 *	#
US-PATENT-CLASS-528-327	c 27	N86-19455 *	#	US-PATENT-CLASS-544-193	c 27	N78-15276 *	#	US-PATENT-CLASS-55-72	c 25	N80-23383 *	#
US-PATENT-CLASS-528-328	c 27	N82-24338 *	#	US-PATENT-CLASS-544-193	c 27	N79-28307 *	#	US-PATENT-CLASS-55-73	c 45	N79-12584 *	#
US-PATENT-CLASS-528-331	c 27	N79-28307 *	#	US-PATENT-CLASS-544-195	c 27	N82-32256 *	#	US-PATENT-CLASS-55-74	c 23	N77-17161 *	#
US-PATENT-CLASS-528-331	c 27	N84-27884 *	#	US-PATENT-CLASS-544-215	c 27	N84-22744 *	#	US-PATENT-CLASS-55-75	c 15	N71-26185 *	#
US-PATENT-CLASS-528-336	c 27	N79-28307 *	#	US-PATENT-CLASS-546-339	c 27	N87-16908 *	#	US-PATENT-CLASS-55-96	c 35	N84-17555 *	#
US-PATENT-CLASS-528-336	c 27	N85-20123 *	#	US-PATENT-CLASS-546-346	c 27	N87-16908 *	#	US-PATENT-CLASS-556-410	c 25	N85-21280 *	#
US-PATENT-CLASS-528-336	c 27	N85-21350 *	#	US-PATENT-CLASS-546-350	c 27	N87-16908 *	#	US-PATENT-CLASS-556-436	c 27	N86-21675 *	#
US-PATENT-CLASS-528-336	c 27	N86-32568 *	#	US-PATENT-CLASS-547-131	c 23	N82-28353 *	#	US-PATENT-CLASS-56-73	c 74	N86-21690 *	#
US-PATENT-CLASS-528-337	c 27	N79-28307 *	#	US-PATENT-CLASS-548-413	c 27	N83-31854 *	#	US-PATENT-CLASS-56-104	c 27	N87-16907 *	#
US-PATENT-CLASS-528-337	c 23	N86-32525 *	#	US-PATENT-CLASS-548-413	c 23	N86-19376 *	#	US-PATENT-CLASS-564-113	c 23	N86-19376 *	#
US-PATENT-CLASS-528-337	c 27	N86-32568 *	#	US-PATENT-CLASS-548-415	c 27	N83-31854 *	#	US-PATENT-CLASS-564-15	c 27	N86-32568 *	#
US-PATENT-CLASS-528-338	c 27	N79-28307 *	#	US-PATENT-CLASS-548-415	c 27	N84-22745 *	#	US-PATENT-CLASS-564-229	c 27	N81-24256 *	#
US-PATENT-CLASS-528-340	c 27	N86-32568 *	#	US-PATENT-CLASS-549-335	c 23	N85-33187 *	#	US-PATENT-CLASS-564-229	c 23	N82-28353 *	#
US-PATENT-CLASS-528-341	c 27	N86-29039 *	#	US-PATENT-CLASS-55-DIG.25	c 35	N84-17555 *	#	US-PATENT-CLASS-564-243	c 27	N84-22744 *	#
US-PATENT-CLASS-528-342	c 27	N79-28307 *	#	US-PATENT-CLASS-55-DIG.30	c 35	N84-17555 *	#	US-PATENT-CLASS-564-243	c 23	N86-21582 *	#
US-PATENT-CLASS-528-342	c 27	N84-27885 *	#	US-PATENT-CLASS-55-DIG.35	c 54	N75-2771 *	#	US-PATENT-CLASS-568-14	c 27	N86-32568 *	#
US-PATENT-CLASS-528-342	c 27	N85-21350 *	#	US-PATENT-CLASS-55-DIG.42	c 37	N85-29283 *	#	US-PATENT-CLASS-568-2	c 27	N82-18389 *	#
US-PATENT-CLASS-528-342	c 27	N85-21351 *	#	US-PATENT-CLASS-55-100	c 35	N78-12390 *	#	US-PATENT-CLASS-568-445	c 23	N82-16174 *	#
US-PATENT-CLASS-528-342	c 27	N85-21352 *	#	US-PATENT-CLASS-55-100	c 25	N78-25148 *	#	US-PATENT-CLASS-568-497	c 23	N82-16174 *	#
US-PATENT-CLASS-528-342	c 25	N85-28982 *	#	US-PATENT-CLASS-55-101	c 25	N78-25148 *	#	US-PATENT-CLASS-568-4	c 27	N82-18389 *	#
US-PATENT-CLASS-528-342	c 27	N86-19457 *	#	US-PATENT-CLASS-55-105	c 35	N84-17555 *	#	US-PATENT-CLASS-568-4	c 27	N84-22750 *	#
US-PATENT-CLASS-528-345	c 27	N84-22746 *	#	US-PATENT-CLASS-55-118	c 35	N79-17192 *	#	US-PATENT-CLASS-568-5	c 27	N82-18389 *	#
US-PATENT-CLASS-528-345	c 27	N85-20123 *	#	US-PATENT-CLASS-55-122	c 35	N79-17192 *	#	US-PATENT-CLASS-568-5	c 27	N84-22750 *	#
US-PATENT-CLASS-528-347	c 27	N86-32568 *	#	US-PATENT-CLASS-55-126	c 35	N84-17555 *	#	US-PATENT-CLASS-568-852	c 27	N80-32514 *	#
US-PATENT-CLASS-528-348	c 27	N84-22746 *	#	US-PATENT-CLASS-55-127	c 35	N79-17192 *	#	US-PATENT-CLASS-568-861	c 27	N80-32514 *	#
US-PATENT-CLASS-528-351	c 27	N82-11206 *	#	US-PATENT-CLASS-55-12	c 35	N84-17555 *	#	US-PATENT-CLASS-57-906	c 37	N82-18601 *	#
US-PATENT-CLASS-528-352	c 27	N85-21348 *	#	US-PATENT-CLASS-55-131	c 35	N84-17555 *	#	US-PATENT-CLASS-570-123	c 25	N82-24312 *	#
US-PATENT-CLASS-528-352	c 27	N85-34280 *	#	US-PATENT-CLASS-55-138	c 35	N84-17555 *	#	US-PATENT-CLASS-570-129	c 25	N82-24312 *	#
US-PATENT-CLASS-528-352	c 27	N86-19456 *	#	US-PATENT-CLASS-55-139	c 35	N84-17555 *	#	US-PATENT-CLASS-58-24	c 10	N71-26326 *	#
US-PATENT-CLASS-528-352	c 23	N86-32525 *	#	US-PATENT-CLASS-55-145	c 35	N84-17555 *	#	US-PATENT-CLASS-585-24	c 27	N86-21675 *	#
US-PATENT-CLASS-528-353	c 27	N81-19296 *	#	US-PATENT-CLASS-55-15-8	c 52	N79-14749 *	#	US-PATENT-CLASS-60-39.08	c 37	N79-11403 *	#
US-PATENT-CLASS-528-353	c 27	N82-11206 *	#	US-PATENT-CLASS-55-155	c 35	N79-17192 *	#	US-PATENT-CLASS-60-108	c 33	N71-16104 *	#
US-PATENT-CLASS-528-353	c 27	N85-21348 *	#	US-PATENT-CLASS-55-158	c 18	N71-20742 *	#	US-PATENT-CLASS-60-1	c 15	N72-33477 *	#
US-PATENT-CLASS-528-353	c 27	N85-34280 *	#	US-PATENT-CLASS-55-158	c 44	N77-22607 *	#	US-PATENT-CLASS-60-1	c 15	N73-13467 *	#
US-PATENT-CLASS-528-353	c 27	N86-19456 *	#	US-PATENT-CLASS-55-158	c 25	N82-21269 *	#	US-PATENT-CLASS-60-200A	c 33	N72-25911 *	#
US-PATENT-CLASS											

US-PATENT-CLASS-60-202

REPORT NUMBER INDEX

US-PATENT-CLASS-60-202	c 28	N71-23081 *	US-PATENT-CLASS-60-267	c 34	N79-13289 *	US-PATENT-CLASS-60-39.48	c 27	N71-28929 *
US-PATENT-CLASS-60-202	c 28	N71-23293 *	US-PATENT-CLASS-60-267	c 34	N80-24573 *	US-PATENT-CLASS-60-39.51R	c 25	N78-10224 *
US-PATENT-CLASS-60-202	c 28	N71-25213 *	US-PATENT-CLASS-60-267	c 44	N81-24519 *	US-PATENT-CLASS-60-39.52	c 07	N78-25089 *
US-PATENT-CLASS-60-202	c 28	N71-26173 *	US-PATENT-CLASS-60-267	c 05	N81-26114 *	US-PATENT-CLASS-60-39.65	c 28	N71-28915 *
US-PATENT-CLASS-60-202	c 28	N71-26642 *	US-PATENT-CLASS-60-269	c 07	N83-33884 *	US-PATENT-CLASS-60-39.65	c 23	N73-30665 *
US-PATENT-CLASS-60-202	c 28	N71-26781 *	US-PATENT-CLASS-60-26	c 21	N72-31637 *	US-PATENT-CLASS-60-39.65	c 34	N78-27357 *
US-PATENT-CLASS-60-202	c 28	N72-11709 *	US-PATENT-CLASS-60-26	c 03	N73-20040 *	US-PATENT-CLASS-60-39.66	c 15	N70-36411 *
US-PATENT-CLASS-60-202	c 28	N72-22770 *	US-PATENT-CLASS-60-271	c 28	N72-11708 *	US-PATENT-CLASS-60-39.66	c 23	N73-30665 *
US-PATENT-CLASS-60-202	c 28	N72-22771 *	US-PATENT-CLASS-60-271	c 28	N72-23810 *	US-PATENT-CLASS-60-39.66	c 07	N77-23106 *
US-PATENT-CLASS-60-202	c 28	N73-24783 *	US-PATENT-CLASS-60-271	c 07	N78-17055 *	US-PATENT-CLASS-60-39.66	c 37	N78-10467 *
US-PATENT-CLASS-60-202	c 25	N73-25760 *	US-PATENT-CLASS-60-271	c 37	N78-17384 *	US-PATENT-CLASS-60-39.66	c 37	N79-11403 *
US-PATENT-CLASS-60-202	c 28	N73-27699 *	US-PATENT-CLASS-60-271	c 07	N83-33884 *	US-PATENT-CLASS-60-39.69R	c 34	N78-27357 *
US-PATENT-CLASS-60-202	c 20	N77-10149 *	US-PATENT-CLASS-60-275	c 35	N84-17555 *	US-PATENT-CLASS-60-39.72	c 23	N73-30665 *
US-PATENT-CLASS-60-202	c 20	N77-20162 *	US-PATENT-CLASS-60-291	c 31	N73-13898 *	US-PATENT-CLASS-60-39.74A	c 15	N72-25455 *
US-PATENT-CLASS-60-202	c 20	N85-21256 *	US-PATENT-CLASS-60-300	c 28	N80-10374 *	US-PATENT-CLASS-60-39.74R	c 23	N73-30665 *
US-PATENT-CLASS-60-203.1	c 20	N86-26368 *	US-PATENT-CLASS-60-303	c 35	N84-17555 *	US-PATENT-CLASS-60-39.74R	c 20	N76-14190 *
US-PATENT-CLASS-60-203.1	c 20	N87-16875 *	US-PATENT-CLASS-60-303	c 37	N84-33808 *	US-PATENT-CLASS-60-39.74	c 28	N70-33241 *
US-PATENT-CLASS-60-203	c 20	N80-14188 *	US-PATENT-CLASS-60-311	c 35	N84-17555 *	US-PATENT-CLASS-60-39.74	c 28	N72-17843 *
US-PATENT-CLASS-60-204	c 07	N78-17055 *	US-PATENT-CLASS-60-316	c 34	N76-18364 *	US-PATENT-CLASS-60-39.74	c 20	N79-21125 *
US-PATENT-CLASS-60-204	c 07	N78-18067 *	US-PATENT-CLASS-60-35.3	c 28	N70-33265 *	US-PATENT-CLASS-60-39.82E	c 20	N78-24275 *
US-PATENT-CLASS-60-204	c 44	N81-24519 *	US-PATENT-CLASS-60-35.3	c 28	N70-40367 *	US-PATENT-CLASS-60-39.83	c 07	N84-33410 *
US-PATENT-CLASS-60-211	c 28	N73-13773 *	US-PATENT-CLASS-60-35.54	c 28	N70-34294 *	US-PATENT-CLASS-60-39.48	c 28	N72-11709 *
US-PATENT-CLASS-60-214	c 15	N74-27360 *	US-PATENT-CLASS-60-35.54	c 28	N70-38645 *	US-PATENT-CLASS-60-508	c 44	N79-18443 *
US-PATENT-CLASS-60-215	c 06	N73-30097 *	US-PATENT-CLASS-60-35.54	c 28	N71-29153 *	US-PATENT-CLASS-60-516	c 20	N75-24837 *
US-PATENT-CLASS-60-215	c 15	N74-27360 *	US-PATENT-CLASS-60-35.55	c 28	N70-34162 *	US-PATENT-CLASS-60-516	c 44	N82-24640 *
US-PATENT-CLASS-60-217	c 12	N71-17631 *	US-PATENT-CLASS-60-35.55	c 28	N70-38711 *	US-PATENT-CLASS-60-517	c 44	N76-29701 *
US-PATENT-CLASS-60-225	c 28	N71-10780 *	US-PATENT-CLASS-60-35.55	c 21	N71-15582 *	US-PATENT-CLASS-60-517	c 37	N81-25370 *
US-PATENT-CLASS-60-226A	c 07	N77-17059 *	US-PATENT-CLASS-60-35.55	c 15	N71-28951 *	US-PATENT-CLASS-60-518	c 37	N81-14318 *
US-PATENT-CLASS-60-226A	c 07	N79-14096 *	US-PATENT-CLASS-60-35.5	c 28	N70-33356 *	US-PATENT-CLASS-60-518	c 37	N81-17432 *
US-PATENT-CLASS-60-226A	c 07	N79-14097 *	US-PATENT-CLASS-60-35.5	c 28	N70-34175 *	US-PATENT-CLASS-60-51	c 15	N71-27754 *
US-PATENT-CLASS-60-226A	c 07	N82-26293 *	US-PATENT-CLASS-60-35.5	c 28	N70-36802 *	US-PATENT-CLASS-60-520	c 37	N80-31790 *
US-PATENT-CLASS-60-226R	c 07	N78-18066 *	US-PATENT-CLASS-60-35.5	c 21	N70-36938 *	US-PATENT-CLASS-60-524	c 44	N81-17518 *
US-PATENT-CLASS-60-226R	c 07	N77-14025 *	US-PATENT-CLASS-60-35.5	c 25	N70-36946 *	US-PATENT-CLASS-60-525	c 37	N81-25370 *
US-PATENT-CLASS-60-226R	c 07	N77-28118 *	US-PATENT-CLASS-60-35.5	c 28	N70-37245 *	US-PATENT-CLASS-60-527	c 44	N74-33379 *
US-PATENT-CLASS-60-226R	c 07	N78-17055 *	US-PATENT-CLASS-60-35.5	c 28	N70-37980 *	US-PATENT-CLASS-60-527	c 37	N77-12402 *
US-PATENT-CLASS-60-226R	c 07	N78-17056 *	US-PATENT-CLASS-60-35.5	c 28	N71-14043 *	US-PATENT-CLASS-60-527	c 37	N77-19458 *
US-PATENT-CLASS-60-226R	c 07	N78-25089 *	US-PATENT-CLASS-60-35.5	c 28	N71-15661 *	US-PATENT-CLASS-60-527	c 37	N78-31426 *
US-PATENT-CLASS-60-226R	c 07	N79-14096 *	US-PATENT-CLASS-60-35.60	c 28	N71-15659 *	US-PATENT-CLASS-60-527	c 37	N86-19604 *
US-PATENT-CLASS-60-226R	c 07	N81-19116 *	US-PATENT-CLASS-60-35.6	c 28	N70-33284 *	US-PATENT-CLASS-60-528	c 37	N86-19604 *
US-PATENT-CLASS-60-228	c 07	N77-17059 *	US-PATENT-CLASS-60-35.6	c 28	N70-33331 *	US-PATENT-CLASS-60-530	c 20	N75-24837 *
US-PATENT-CLASS-60-230	c 07	N78-27121 *	US-PATENT-CLASS-60-35.6	c 28	N70-33374 *	US-PATENT-CLASS-60-53	c 37	N77-22479 *
US-PATENT-CLASS-60-236	c 07	N81-19116 *	US-PATENT-CLASS-60-35.6	c 28	N70-33375 *	US-PATENT-CLASS-60-54.5	c 15	N71-10658 *
US-PATENT-CLASS-60-238	c 07	N81-19116 *	US-PATENT-CLASS-60-35.6	c 28	N70-34860 *	US-PATENT-CLASS-60-560	c 35	N78-10428 *
US-PATENT-CLASS-60-239	c 07	N81-19116 *	US-PATENT-CLASS-60-35.6	c 28	N70-35381 *	US-PATENT-CLASS-60-572	c 44	N79-18443 *
US-PATENT-CLASS-60-23	c 09	N71-26182 *	US-PATENT-CLASS-60-35.6	c 27	N70-35534 *	US-PATENT-CLASS-60-574	c 35	N78-10428 *
US-PATENT-CLASS-60-23	c 15	N72-12409 *	US-PATENT-CLASS-60-35.6	c 15	N70-36535 *	US-PATENT-CLASS-60-606	c 28	N80-10374 *
US-PATENT-CLASS-60-23	c 21	N72-31637 *	US-PATENT-CLASS-60-35.6	c 28	N70-36806 *	US-PATENT-CLASS-60-606	c 37	N84-33808 *
US-PATENT-CLASS-60-23	c 15	N73-13467 *	US-PATENT-CLASS-60-35.6	c 28	N70-36910 *	US-PATENT-CLASS-60-632	c 20	N80-18097 *
US-PATENT-CLASS-60-240	c 28	N71-24736 *	US-PATENT-CLASS-60-35.6	c 28	N70-38249 *	US-PATENT-CLASS-60-641.12	c 44	N84-23018 *
US-PATENT-CLASS-60-240	c 28	N73-13773 *	US-PATENT-CLASS-60-35.6	c 28	N70-38504 *	US-PATENT-CLASS-60-641.14	c 44	N82-24640 *
US-PATENT-CLASS-60-240	c 07	N80-18039 *	US-PATENT-CLASS-60-35.6	c 28	N70-38505 *	US-PATENT-CLASS-60-641	c 44	N75-32581 *
US-PATENT-CLASS-60-243	c 33	N71-21507 *	US-PATENT-CLASS-60-35.6	c 28	N70-38710 *	US-PATENT-CLASS-60-641	c 44	N77-32582 *
US-PATENT-CLASS-60-243	c 15	N71-27432 *	US-PATENT-CLASS-60-35.6	c 28	N70-39899 *	US-PATENT-CLASS-60-641	c 44	N78-17460 *
US-PATENT-CLASS-60-243	c 28	N73-13773 *	US-PATENT-CLASS-60-35.6	c 33	N71-15623 *	US-PATENT-CLASS-60-641	c 44	N78-32542 *
US-PATENT-CLASS-60-243	c 20	N79-21124 *	US-PATENT-CLASS-60-35.6	c 27	N71-15634 *	US-PATENT-CLASS-60-641	c 44	N79-18443 *
US-PATENT-CLASS-60-251	c 28	N70-41311 *	US-PATENT-CLASS-60-35.6	c 31	N71-15637 *	US-PATENT-CLASS-60-641	c 44	N81-17518 *
US-PATENT-CLASS-60-251	c 27	N71-21819 *	US-PATENT-CLASS-60-35.6	c 31	N71-15647 *	US-PATENT-CLASS-60-645	c 34	N79-20335 *
US-PATENT-CLASS-60-254	c 28	N72-20758 *	US-PATENT-CLASS-60-35.6	c 28	N71-15660 *	US-PATENT-CLASS-60-649	c 34	N79-20335 *
US-PATENT-CLASS-60-254	c 28	N73-24784 *	US-PATENT-CLASS-60-35.6	c 14	N71-27186 *	US-PATENT-CLASS-60-659	c 44	N75-32581 *
US-PATENT-CLASS-60-256	c 28	N73-24784 *	US-PATENT-CLASS-60-36	c 15	N72-33477 *	US-PATENT-CLASS-60-659	c 44	N76-31667 *
US-PATENT-CLASS-60-257	c 31	N70-41948 *	US-PATENT-CLASS-60-37	c 15	N73-13467 *	US-PATENT-CLASS-60-671	c 44	N78-32542 *
US-PATENT-CLASS-60-258	c 15	N70-22192 *	US-PATENT-CLASS-60-39.02	c 07	N86-20389 *	US-PATENT-CLASS-60-698	c 44	N84-23018 *
US-PATENT-CLASS-60-258	c 28	N71-22983 *	US-PATENT-CLASS-60-39.03	c 07	N77-23106 *	US-PATENT-CLASS-60-716	c 44	N84-23018 *
US-PATENT-CLASS-60-258	c 28	N71-28849 *	US-PATENT-CLASS-60-39.03	c 07	N80-18039 *	US-PATENT-CLASS-60-721	c 71	N79-20827 *
US-PATENT-CLASS-60-258	c 28	N72-17843 *	US-PATENT-CLASS-60-39.06	c 07	N80-26298 *	US-PATENT-CLASS-60-721	c 71	N83-32515 *
US-PATENT-CLASS-60-258	c 15	N72-25455 *	US-PATENT-CLASS-60-39.06	c 07	N81-29129 *	US-PATENT-CLASS-60-721	c 71	N83-32516 *
US-PATENT-CLASS-60-258	c 20	N74-13502 *	US-PATENT-CLASS-60-39.07	c 44	N78-32539 *	US-PATENT-CLASS-60-721	c 71	N84-23233 *
US-PATENT-CLASS-60-259	c 20	N87-14420 *	US-PATENT-CLASS-60-39.07	c 07	N82-32366 *	US-PATENT-CLASS-60-726	c 07	N81-20120 *
US-PATENT-CLASS-60-259	c 28	N70-41275 *	US-PATENT-CLASS-60-39.07	c 07	N83-36029 *	US-PATENT-CLASS-60-726	c 07	N82-32366 *
US-PATENT-CLASS-60-259	c 20	N74-13502 *	US-PATENT-CLASS-60-39.14	c 44	N78-32539 *	US-PATENT-CLASS-60-730	c 05	N81-26114 *
US-PATENT-CLASS-60-259	c 34	N77-30399 *	US-PATENT-CLASS-60-39.14	c 07	N79-10057 *	US-PATENT-CLASS-60-730	c 37	N84-22958 *
US-PATENT-CLASS-60-259	c 20	N80-14188 *	US-PATENT-CLASS-60-39.23	c 20	N76-14190 *	US-PATENT-CLASS-60-733	c 07	N80-26298 *
US-PATENT-CLASS-60-259	c 05	N81-26114 *	US-PATENT-CLASS-60-39.23	c 07	N85-35195 *	US-PATENT-CLASS-60-736	c 37	N84-22958 *
US-PATENT-CLASS-60-25	c 15	N73-24513 *	US-PATENT-CLASS-60-39.24	c 07	N81-19115 *	US-PATENT-CLASS-60-736	c 07	N86-20389 *
US-PATENT-CLASS-60-25	c 37	N74-21060 *	US-PATENT-CLASS-60-39.27	c 07	N80-18039 *	US-PATENT-CLASS-60-737	c 07	N81-29129 *
US-PATENT-CLASS-60-260	c 28	N70-41992 *	US-PATENT-CLASS-60-39.28R	c 28	N73-19793 *	US-PATENT-CLASS-60-746	c 07	N80-26298 *
US-PATENT-CLASS-60-260	c 28	N72-18766 *	US-PATENT-CLASS-60-39.28R	c 07	N77-23106 *	US-PATENT-CLASS-60-746	c 20	N87-14420 *
US-PATENT-CLASS-60-261	c 37	N78-17384 *	US-PATENT-CLASS-60-39.28R	c 37	N78-10467 *	US-PATENT-CLASS-60-748	c 07	N85-35195 *
US-PATENT-CLASS-60-262	c 37	N78-17384 *	US-PATENT-CLASS-60-39.28R	c 37	N78-24545 *	US-PATENT-CLASS-60-757	c 07	N84-24577 *
US-PATENT-CLASS-60-262	c 07	N78-18067 *	US-PATENT-CLASS-60-39.28R	c 37	N79-11403 *	US-PATENT-CLASS-60-836	c 24	N78-14096 *
US-PATENT-CLASS-60-262	c 07	N83-33884 *	US-PATENT-CLASS-60-39.29	c 20	N76-14190 *	US-PATENT-CLASS-60-97	c 03	N71-12260 *
US-PATENT-CLASS-60-263	c 28	N71-24321 *	US-PATENT-CLASS-60-39.29	c 35	N76-14431 *	US-PATENT-CLASS-60-114	c 52	N83-27577 *
US-PATENT-CLASS-60-263	c 07	N77-28118 *	US-PATENT-CLASS-60-39.29	c 07	N82-32366 *	US-PATENT-CLASS-60-151	c 52	N83-27577 *
US-PATENT-CLASS-60-264	c 07	N80-32392 *	US-PATENT-CLASS-60-39.29	c 07	N84-33410 *	US-PATENT-CLASS-60-280	c 52	N83-21758 *
US-PATENT-CLASS-60-265	c 28	N71-20942 *	US-PATENT-CLASS-60-39.31	c 07	N78-18066 *	US-PATENT-CLASS-60-368	c 54	N84-11785 *
US-PATENT-CLASS-60-265	c 33	N72-25911 *	US-PATENT-CLASS-60-39.31	c 07	N79-14096 *	US-PATENT-CLASS-60-378	c 54	N84-11758 *
US-PATENT-CLASS-60-265	c 33	N73-25952 *	US-PATENT-CLASS-60-39.33	c 44	N78-32539 *	US-PATENT-CLASS-60-396	c 54	N84-11758 *
US-PATENT-CLASS-60-265	c 20	N76-14191 *	US-PATENT-CLASS-60-39.36	c 28	N71-20330 *	US-PATENT-CLASS-60-8	c 52	N83-21785 *
US-PATENT-CLASS-60-266	c 33	N71-28852 *	US-PATENT-CLASS-60-39.36	c 28	N71-28915 *	US-PATENT-CLASS-61-83	c 18	N74-22136 *
US-PATENT-CLASS-60-266	c 28	N72-23810 *	US-PATENT-CLASS-60-39.46M	c 20	N82-18314 *	US-PATENT-CLASS-62-DIG.1	c 34	N84-22903 *
US-PATENT-CLASS-60-267	c 33	N71-29053 *	US-PATENT-CLASS-60-39.46S	c 20	N86-26368 *	US-PATENT-CLASS-62-DIG.5	c 05	N81-26114 *
US-PATENT-CLASS-60-267	c 33	N72-25911 *	US-PATENT-CLASS-60-39.46	c 27	N71-15635 *	US-PATENT-CLASS-62-100	c 34	N77-19353 *
US-PATENT-CLASS-60-267	c 33	N73-25952 *	US-PATENT-CLASS-60-39.46	c 15	N74-27360 *	US-PATENT-CLASS-62-100	c 28	N78-24365 *
US-PATENT-CLASS-60-267	c 28	N73-32606 *	US-PATENT-CLASS-60-39.47	c 27	N71-16392 *	US-PATENT-CLASS-62-121	c 34	N77-19353 *
US-PATENT-CLASS-60-267	c 20	N76-14191 *	US-PATENT-CLASS-60-39.48	c 28	N70-38199 *	US-PATENT-CLASS-62-128	c 35	N84-28018 *
US-PATENT-CLASS-60-267	c 34	N79-13288 *	US-PATENT-CLASS-60-39.48	c 28	N70-39931 *	US-PATENT-CLASS-62-129	c 31	N76-14284 *

US-PATENT-CLASS-62-12	c 28	N81-14103 *	#	US-PATENT-CLASS-64-27	c 15	N71-28959 *	c 35	US-PATENT-CLASS-73-115	c 35	N79-14345 *	#
US-PATENT-CLASS-62-148	c 44	N82-26776 *	#	US-PATENT-CLASS-64-28	c 15	N69-27505 *	#	US-PATENT-CLASS-73-115	c 07	N84-22559 *	#
US-PATENT-CLASS-62-15	c 06	N70-34946 *	#	US-PATENT-CLASS-65-DIG.11	c 37	N74-21063 *	#	US-PATENT-CLASS-73-116	c 11	N70-33278 *	#
US-PATENT-CLASS-62-176	c 05	N73-26071 *	#	US-PATENT-CLASS-65-DIG.4	c 71	N78-10837 *	#	US-PATENT-CLASS-73-116	c 11	N70-34844 *	#
US-PATENT-CLASS-62-18	c 28	N81-14103 *	#	US-PATENT-CLASS-65-DIG.7	c 71	N78-10837 *	#	US-PATENT-CLASS-73-116	c 14	N70-40203 *	#
US-PATENT-CLASS-62-207	c 05	N73-26071 *	#	US-PATENT-CLASS-65-102	c 71	N78-10837 *	#	US-PATENT-CLASS-73-116	c 11	N70-41677 *	#
US-PATENT-CLASS-62-209	c 05	N73-26071 *	#	US-PATENT-CLASS-65-108	c 35	N77-24455 *	#	US-PATENT-CLASS-73-116	c 11	N71-10604 *	#
US-PATENT-CLASS-62-217	c 31	N77-10229 *	#	US-PATENT-CLASS-65-11.1	c 31	N86-21718 *	#	US-PATENT-CLASS-73-116	c 31	N71-15843 *	#
US-PATENT-CLASS-62-235.1	c 44	N82-26776 *	#	US-PATENT-CLASS-65-12	c 31	N86-21718 *	#	US-PATENT-CLASS-73-117.1	c 11	N72-27262 *	#
US-PATENT-CLASS-62-238.3	c 44	N82-26776 *	#	US-PATENT-CLASS-65-134	c 71	N83-35781 *	#	US-PATENT-CLASS-73-117.1	c 09	N84-27749 *	#
US-PATENT-CLASS-62-239	c 44	N82-26776 *	#	US-PATENT-CLASS-65-142	c 31	N81-33319 *	#	US-PATENT-CLASS-73-117.4	c 14	N71-20429 *	#
US-PATENT-CLASS-62-244	c 44	N82-26776 *	#	US-PATENT-CLASS-65-142	c 27	N82-28442 *	#	US-PATENT-CLASS-73-117.4	c 28	N71-27094 *	#
US-PATENT-CLASS-62-259	c 05	N73-20137 *	#	US-PATENT-CLASS-65-142	c 31	N83-31896 *	#	US-PATENT-CLASS-73-117.4	c 35	N75-29382 *	#
US-PATENT-CLASS-62-259	c 05	N73-26071 *	#	US-PATENT-CLASS-65-142	c 31	N83-35176 *	#	US-PATENT-CLASS-73-117	c 14	N71-22965 *	#
US-PATENT-CLASS-62-259	c 54	N78-32721 *	#	US-PATENT-CLASS-65-142	c 71	N84-28568 *	#	US-PATENT-CLASS-73-12	c 14	N71-23225 *	#
US-PATENT-CLASS-62-264	c 34	N84-22903 *	#	US-PATENT-CLASS-65-142	c 26	N86-32551 *	#	US-PATENT-CLASS-73-12	c 14	N71-26161 *	#
US-PATENT-CLASS-62-268	c 14	N71-20427 *	#	US-PATENT-CLASS-65-160	c 71	N84-28568 *	#	US-PATENT-CLASS-73-12	c 14	N72-16282 *	#
US-PATENT-CLASS-62-268	c 34	N79-20336 *	#	US-PATENT-CLASS-65-1	c 31	N86-21718 *	#	US-PATENT-CLASS-73-12	c 14	N72-25411 *	#
US-PATENT-CLASS-62-269	c 34	N77-19353 *	#	US-PATENT-CLASS-65-21.2	c 26	N86-32551 *	#	US-PATENT-CLASS-73-12	c 14	N73-32327 *	#
US-PATENT-CLASS-62-285	c 77	N75-20139 *	#	US-PATENT-CLASS-65-21.3	c 31	N83-35176 *	#	US-PATENT-CLASS-73-12	c 35	N74-21062 *	#
US-PATENT-CLASS-62-288	c 77	N75-20139 *	#	US-PATENT-CLASS-65-21.3	c 71	N84-28568 *	#	US-PATENT-CLASS-73-12	c 35	N75-33367 *	#
US-PATENT-CLASS-62-289	c 77	N75-20139 *	#	US-PATENT-CLASS-65-21.4	c 31	N81-33319 *	#	US-PATENT-CLASS-73-12	c 75	N76-14931 *	#
US-PATENT-CLASS-62-290	c 77	N75-20139 *	#	US-PATENT-CLASS-65-21.4	c 27	N82-28442 *	#	US-PATENT-CLASS-73-12	c 35	N77-18417 *	#
US-PATENT-CLASS-62-295	c 35	N83-32026 *	#	US-PATENT-CLASS-65-21.4	c 31	N83-35176 *	#	US-PATENT-CLASS-73-12	c 43	N79-25443 *	#
US-PATENT-CLASS-62-2	c 15	N71-15906 *	#	US-PATENT-CLASS-65-21.4	c 71	N84-28568 *	#	US-PATENT-CLASS-73-12	c 43	N80-14423 *	#
US-PATENT-CLASS-62-315	c 34	N77-19353 *	#	US-PATENT-CLASS-65-213	c 71	N84-16940 *	#	US-PATENT-CLASS-73-12	c 43	N80-23711 *	#
US-PATENT-CLASS-62-317	c 77	N75-20139 *	#	US-PATENT-CLASS-65-214	c 31	N83-31896 *	#	US-PATENT-CLASS-73-12	c 37	N84-33807 *	#
US-PATENT-CLASS-62-376	c 31	N78-17237 *	#	US-PATENT-CLASS-65-22	c 31	N81-33319 *	#	US-PATENT-CLASS-73-133R	c 35	N77-14407 *	#
US-PATENT-CLASS-62-376	c 34	N79-20336 *	#	US-PATENT-CLASS-65-22	c 27	N82-28442 *	#	US-PATENT-CLASS-73-133	c 14	N71-23725 *	#
US-PATENT-CLASS-62-383	c 33	N82-24419 *	#	US-PATENT-CLASS-65-22	c 31	N83-31896 *	#	US-PATENT-CLASS-73-133	c 15	N72-22482 *	#
US-PATENT-CLASS-62-384	c 23	N71-24725 *	#	US-PATENT-CLASS-65-22	c 31	N83-35176 *	#	US-PATENT-CLASS-73-134	c 14	N70-40201 *	#
US-PATENT-CLASS-62-3	c 20	N75-24837 *	#	US-PATENT-CLASS-65-2	c 71	N78-10837 *	#	US-PATENT-CLASS-73-136R	c 15	N72-26371 *	#
US-PATENT-CLASS-62-3	c 34	N78-17335 *	#	US-PATENT-CLASS-65-2	c 31	N86-21718 *	#	US-PATENT-CLASS-73-136	c 14	N70-34818 *	#
US-PATENT-CLASS-62-3	c 34	N83-29625 *	#	US-PATENT-CLASS-65-30R	c 27	N78-32260 *	#	US-PATENT-CLASS-73-140	c 11	N72-25288 *	#
US-PATENT-CLASS-62-3	c 31	N85-29082 *	#	US-PATENT-CLASS-65-32	c 71	N78-10837 *	#	US-PATENT-CLASS-73-141AB	c 14	N72-33377 *	#
US-PATENT-CLASS-62-40	c 15	N71-24044 *	#	US-PATENT-CLASS-65-3	c 37	N75-26371 *	#	US-PATENT-CLASS-73-141A	c 14	N72-21405 *	#
US-PATENT-CLASS-62-40	c 28	N81-14103 *	#	US-PATENT-CLASS-65-4B	c 71	N78-10837 *	#	US-PATENT-CLASS-73-141A	c 14	N72-22437 *	#
US-PATENT-CLASS-62-45	c 15	N70-33323 *	#	US-PATENT-CLASS-65-43	c 37	N75-15992 *	#	US-PATENT-CLASS-73-141A	c 35	N74-26945 *	#
US-PATENT-CLASS-62-45	c 31	N70-41871 *	#	US-PATENT-CLASS-65-43	c 24	N79-25143 *	#	US-PATENT-CLASS-73-141A	c 35	N74-27865 *	#
US-PATENT-CLASS-62-45	c 33	N71-25351 *	#	US-PATENT-CLASS-65-59A	c 35	N77-24455 *	#	US-PATENT-CLASS-73-141A	c 35	N75-33369 *	#
US-PATENT-CLASS-62-45	c 33	N71-28892 *	#	US-PATENT-CLASS-65-60D	c 27	N78-32260 *	#	US-PATENT-CLASS-73-141A	c 52	N81-20703 *	#
US-PATENT-CLASS-62-45	c 15	N73-12486 *	#	US-PATENT-CLASS-65-61	c 74	N80-24149 *	#	US-PATENT-CLASS-73-141	c 14	N70-41957 *	#
US-PATENT-CLASS-62-45	c 35	N74-15093 *	#	US-PATENT-CLASS-65-7	c 18	N71-23088 *	#	US-PATENT-CLASS-73-141	c 15	N71-20441 *	#
US-PATENT-CLASS-62-467R	c 34	N84-22903 *	#	US-PATENT-CLASS-65-87	c 71	N78-10837 *	#	US-PATENT-CLASS-73-141	c 14	N71-23790 *	#
US-PATENT-CLASS-62-467	c 33	N70-37979 *	#	US-PATENT-CLASS-65-54	c 35	N77-24455 *	#	US-PATENT-CLASS-73-141	c 26	N71-25490 *	#
US-PATENT-CLASS-62-467	c 33	N71-17897 *	#	US-PATENT-CLASS-65-64	c 35	N77-24455 *	#	US-PATENT-CLASS-73-142	c 15	N70-40180 *	#
US-PATENT-CLASS-62-467	c 05	N72-11084 *	#	US-PATENT-CLASS-70-58	c 33	N81-25299 *	#	US-PATENT-CLASS-73-142	c 14	N71-20439 *	#
US-PATENT-CLASS-62-467	c 33	N72-25911 *	#	US-PATENT-CLASS-71-98	c 51	N83-17045 *	#	US-PATENT-CLASS-73-143	c 35	N75-19615 *	#
US-PATENT-CLASS-62-467	c 33	N73-25952 *	#	US-PATENT-CLASS-72-253	c 15	N71-22797 *	#	US-PATENT-CLASS-73-143	c 14	N75-24794 *	#
US-PATENT-CLASS-62-467	c 20	N75-24837 *	#	US-PATENT-CLASS-72-258	c 15	N73-13464 *	#	US-PATENT-CLASS-73-144	c 15	N71-22878 *	#
US-PATENT-CLASS-62-475	c 23	N72-25619 *	#	US-PATENT-CLASS-72-307	c 15	N72-12408 *	#	US-PATENT-CLASS-73-147	c 11	N70-33287 *	#
US-PATENT-CLASS-62-476	c 44	N82-26776 *	#	US-PATENT-CLASS-72-324	c 71	N86-21276 *	#	US-PATENT-CLASS-73-147	c 14	N70-33386 *	#
US-PATENT-CLASS-62-47	c 28	N81-14103 *	#	US-PATENT-CLASS-72-341	c 71	N86-21276 *	#	US-PATENT-CLASS-73-147	c 14	N70-34813 *	#
US-PATENT-CLASS-62-48	c 28	N78-24365 *	#	US-PATENT-CLASS-72-34	c 15	N71-21536 *	#	US-PATENT-CLASS-73-147	c 11	N70-36913 *	#
US-PATENT-CLASS-62-48	c 31	N83-31897 *	#	US-PATENT-CLASS-72-354	c 15	N71-23811 *	#	US-PATENT-CLASS-73-147	c 14	N70-40400 *	#
US-PATENT-CLASS-62-49	c 31	N76-14284 *	#	US-PATENT-CLASS-72-363	c 37	N76-14461 *	#	US-PATENT-CLASS-73-147	c 14	N70-41366 *	#
US-PATENT-CLASS-62-4	c 44	N77-32581 *	#	US-PATENT-CLASS-72-364	c 15	N71-18579 *	#	US-PATENT-CLASS-73-147	c 11	N71-15926 *	#
US-PATENT-CLASS-62-4	c 44	N78-17460 *	#	US-PATENT-CLASS-72-369	c 15	N71-24679 *	#	US-PATENT-CLASS-73-147	c 09	N71-16086 *	#
US-PATENT-CLASS-62-50	c 15	N70-34247 *	#	US-PATENT-CLASS-72-436	c 37	N79-28550 *	#	US-PATENT-CLASS-73-147	c 12	N71-20436 *	#
US-PATENT-CLASS-62-50	c 35	N78-12390 *	#	US-PATENT-CLASS-72-447	c 15	N73-13463 *	#	US-PATENT-CLASS-73-147	c 09	N71-20816 *	#
US-PATENT-CLASS-62-514 R	c 35	N83-32026 *	#	US-PATENT-CLASS-72-451	c 37	N79-28550 *	#	US-PATENT-CLASS-73-147	c 11	N71-21481 *	#
US-PATENT-CLASS-62-514JT	c 31	N77-10229 *	#	US-PATENT-CLASS-72-453	c 37	N76-18454 *	#	US-PATENT-CLASS-73-147	c 11	N71-23030 *	#
US-PATENT-CLASS-62-514R	c 35	N78-12390 *	#	US-PATENT-CLASS-72-467	c 15	N71-23817 *	#	US-PATENT-CLASS-73-147	c 15	N71-27006 *	#
US-PATENT-CLASS-62-514R	c 31	N78-17237 *	#	US-PATENT-CLASS-72-46	c 24	N75-33181 *	#	US-PATENT-CLASS-73-147	c 15	N71-28740 *	#
US-PATENT-CLASS-62-514R	c 31	N78-25256 *	#	US-PATENT-CLASS-72-470	c 37	N79-28550 *	#	US-PATENT-CLASS-73-147	c 11	N71-33612 *	#
US-PATENT-CLASS-62-514R	c 51	N79-10694 *	#	US-PATENT-CLASS-72-476	c 15	N73-13463 *	#	US-PATENT-CLASS-73-147	c 11	N72-17183 *	#
US-PATENT-CLASS-62-514R	c 31	N79-17029 *	#	US-PATENT-CLASS-72-53	c 15	N71-18616 *	#	US-PATENT-CLASS-73-147	c 14	N72-21407 *	#
US-PATENT-CLASS-62-514R	c 34	N79-20336 *	#	US-PATENT-CLASS-72-53	c 15	N73-32360 *	#	US-PATENT-CLASS-73-147	c 11	N72-22246 *	#
US-PATENT-CLASS-62-514R	c 35	N81-14287 *	#	US-PATENT-CLASS-72-54	c 37	N76-14461 *	#	US-PATENT-CLASS-73-147	c 11	N73-12264 *	#
US-PATENT-CLASS-62-514R	c 31	N83-31897 *	#	US-PATENT-CLASS-72-56	c 15	N70-34249 *	#	US-PATENT-CLASS-73-147	c 14	N73-13415 *	#
US-PATENT-CLASS-62-514R	c 34	N83-34221 *	#	US-PATENT-CLASS-72-56	c 15	N71-24833 *	#	US-PATENT-CLASS-73-147	c 12	N73-25262 *	#
US-PATENT-CLASS-62-514	c 23	N71-26654 *	#	US-PATENT-CLASS-72-56	c 15	N71-24865 *	#	US-PATENT-CLASS-73-147	c 12	N73-28144 *	#
US-PATENT-CLASS-62-51	c 15	N72-17453 *	#	US-PATENT-CLASS-72-56	c 15	N71-26148 *	#	US-PATENT-CLASS-73-147	c 09	N74-17955 *	#
US-PATENT-CLASS-62-55.5	c 11	N71-24964 *	#	US-PATENT-CLASS-72-60	c 15	N71-24836 *	#	US-PATENT-CLASS-73-147	c 34	N74-27730 *	#
US-PATENT-CLASS-62-55.5	c 15	N72-22484 *	#	US-PATENT-CLASS-72-61	c 15	N71-26346 *	#	US-PATENT-CLASS-73-147	c 09	N75-12969 *	#
US-PATENT-CLASS-62-55	c 15	N70-38020 *	#	US-PATENT-CLASS-72-63	c 20	N75-18310 *	#	US-PATENT-CLASS-73-147	c 09	N76-23273 *	#
US-PATENT-CLASS-62-55	c 34	N77-30399 *	#	US-PATENT-CLASS-72-63	c 37	N76-14461 *	#	US-PATENT-CLASS-73-147	c 34	N76-27517 *	#
US-PATENT-CLASS-62-56	c 05	N72-11084 *	#	US-PATENT-CLASS-72-83	c 15	N71-22723 *	#	US-PATENT-CLASS-73-147	c 09	N77-10071 *	#
US-PATENT-CLASS-62-62	c 34	N83-34221 *	#	US-PATENT-CLASS-73-DIG.11	c 35	N78-18390 *	#	US-PATENT-CLASS-73-147	c 09	N78-31129 *	#
US-PATENT-CLASS-62-6	c 15	N69-23190 *	#	US-PATENT-CLASS-73-1-DV	c 71	N86-21276 *	#	US-PATENT-CLASS-73-147	c 35	N79-14347 *	#
US-PATENT-CLASS-62-6	c 23	N71-15467 *	#	US-PATENT-CLASS-73-1B	c 35	N76-24523 *	#	US-PATENT-CLASS-73-147	c 09	N79-21083 *	#
US-PATENT-CLASS-62-6	c 15	N71-23025 *	#	US-PATENT-CLASS-73-1B	c 35	N84-28019 *	#	US-PATENT-CLASS-73-147	c 02	N80-20224 *	#
US-PATENT-CLASS-62-6	c 23	N72-25619 *	#	US-PATENT-CLASS-73-1DV	c 14	N73-27379 *	#	US-PATENT-CLASS-73-147	c 06	N81-17057 *	#
US-PATENT-CLASS-62-6	c 37	N76-29590 *	#	US-PATENT-CLASS-73-1F	c 35	N74-21019 *	#	US-PATENT-CLASS-73-147	c 09	N82-11088 *	#
US-PATENT-CLASS-62-6	c 44	N76-29701 *	#	US-PATENT-CLASS-73-1R	c 14	N71-29134 *	#	US-PATENT-CLASS-73-147	c 09	N82-23254 *	#
US-PATENT-CLASS-62-6	c 44	N83-28574 *	#	US-PATENT-CLASS-73-1R	c 35	N75-15932 *	#	US-PATENT-CLASS-73-147	c 71	N83-17235 *	#
US-PATENT-CLASS-62-6	c 31	N85-21404 *	#	US-PATENT-CLASS-73-1R	c 35	N76-15432 *	#	US-PATENT-CLASS-73-147	c 44	N83-21503 *	#
US-PATENT-CLASS-62-78	c 51	N79-10694 *	#	US-PATENT-CLASS-73-100	c 15	N70-41993 *	#	US-PATENT-CLASS-73-147	c 44	N83-21504 *	#
US-PATENT-CLASS-62-7	c 15	N73-12486 *	#	US-PATENT-CLASS-73-100	c 32	N72-25877 *	#	US-PATENT-CLASS-73-147	c 74	N83-21949 *	#
US-PATENT-CLASS-62-80	c 23	N72-25619 *	#	US-PATENT-CLASS-73-103							

US-PATENT-CLASS-73-15.4	c 35	N74-32879 *	#	US-PATENT-CLASS-73-198	c 14	N72-17327 *	#	US-PATENT-CLASS-73-401	c 14	N70-34820 *	#
US-PATENT-CLASS-73-15.6	c 14	N70-35368 *	#	US-PATENT-CLASS-73-1	c 10	N71-13545 *	#	US-PATENT-CLASS-73-40	c 35	N75-15931 *	#
US-PATENT-CLASS-73-15.6	c 14	N71-24234 *	#	US-PATENT-CLASS-73-1	c 09	N71-22988 *	#	US-PATENT-CLASS-73-40	c 35	N80-18358 *	#
US-PATENT-CLASS-73-15.6	c 14	N71-26136 *	#	US-PATENT-CLASS-73-204	c 12	N71-17569 *	#	US-PATENT-CLASS-73-419	c 14	N71-22752 *	#
US-PATENT-CLASS-73-15.6	c 32	N72-25877 *	#	US-PATENT-CLASS-73-204	c 35	N76-24524 *	#	US-PATENT-CLASS-73-420	c 35	N74-13132 *	#
US-PATENT-CLASS-73-15.6	c 09	N74-19528 *	#	US-PATENT-CLASS-73-204	c 35	N77-20400 *	#	US-PATENT-CLASS-73-421.5R	c 13	N72-25323 *	#
US-PATENT-CLASS-73-15.6	c 35	N76-24523 *	#	US-PATENT-CLASS-73-204	c 52	N83-27577 *	#	US-PATENT-CLASS-73-421.5R	c 14	N73-30395 *	#
US-PATENT-CLASS-73-15.6	c 35	N77-22450 *	#	US-PATENT-CLASS-73-205L	c 02	N80-20224 *	#	US-PATENT-CLASS-73-421.5R	c 52	N74-20728 *	#
US-PATENT-CLASS-73-15.6	c 39	N78-10493 *	#	US-PATENT-CLASS-73-212	c 14	N70-36824 *	#	US-PATENT-CLASS-73-421.5R	c 35	N76-18401 *	#
US-PATENT-CLASS-73-15R	c 33	N72-25913 *	#	US-PATENT-CLASS-73-212	c 14	N73-13415 *	#	US-PATENT-CLASS-73-421.5R	c 35	N77-32456 *	#
US-PATENT-CLASS-73-15R	c 14	N73-28486 *	#	US-PATENT-CLASS-73-212	c 35	N76-14429 *	#	US-PATENT-CLASS-73-421.5R	c 14	N73-12444 *	#
US-PATENT-CLASS-73-15R	c 25	N74-18551 *	#	US-PATENT-CLASS-73-212	c 06	N80-18036 *	#	US-PATENT-CLASS-73-421R	c 54	N76-14804 *	#
US-PATENT-CLASS-73-15R	c 31	N74-27900 *	#	US-PATENT-CLASS-73-221	c 35	N75-19611 *	#	US-PATENT-CLASS-73-422GC	c 13	N72-25323 *	#
US-PATENT-CLASS-73-15R	c 09	N77-27131 *	#	US-PATENT-CLASS-73-228	c 34	N77-27345 *	#	US-PATENT-CLASS-73-422TC	c 13	N72-25323 *	#
US-PATENT-CLASS-73-15R	c 74	N81-17887 *	#	US-PATENT-CLASS-73-23.1	c 06	N69-39936 *	#	US-PATENT-CLASS-73-422	c 14	N71-20435 *	#
US-PATENT-CLASS-73-150-A	c 39	N86-20841 *	#	US-PATENT-CLASS-73-23.1	c 06	N72-17094 *	#	US-PATENT-CLASS-73-425.2	c 91	N76-30131 *	#
US-PATENT-CLASS-73-150R	c 35	N84-28018 *	#	US-PATENT-CLASS-73-23.1	c 06	N72-25146 *	#	US-PATENT-CLASS-73-425.4R	c 35	N78-27384 *	#
US-PATENT-CLASS-73-155	c 46	N80-10709 *	#	US-PATENT-CLASS-73-23.1	c 25	N76-18245 *	#	US-PATENT-CLASS-73-425.6	c 15	N72-21465 *	#
US-PATENT-CLASS-73-155	c 46	N80-24906 *	#	US-PATENT-CLASS-73-23.1	c 23	N77-17161 *	#	US-PATENT-CLASS-73-432PS	c 76	N75-12810 *	#
US-PATENT-CLASS-73-159	c 31	N79-11246 *	#	US-PATENT-CLASS-73-23	c 14	N71-10774 *	#	US-PATENT-CLASS-73-432PS	c 35	N75-33367 *	#
US-PATENT-CLASS-73-15	c 14	N70-34156 *	#	US-PATENT-CLASS-73-23	c 05	N71-11202 *	#	US-PATENT-CLASS-73-432PS	c 35	N78-18390 *	#
US-PATENT-CLASS-73-15	c 14	N71-15992 *	#	US-PATENT-CLASS-73-23	c 52	N74-20728 *	#	US-PATENT-CLASS-73-432R	c 33	N73-27797 *	#
US-PATENT-CLASS-73-15	c 14	N71-22964 *	#	US-PATENT-CLASS-73-23	c 35	N75-29380 *	#	US-PATENT-CLASS-73-432R	c 14	N73-28487 *	#
US-PATENT-CLASS-73-15	c 11	N71-24985 *	#	US-PATENT-CLASS-73-23	c 25	N78-15210 *	#	US-PATENT-CLASS-73-432R	c 91	N76-30131 *	#
US-PATENT-CLASS-73-15	c 11	N71-28629 *	#	US-PATENT-CLASS-73-23	c 35	N78-19465 *	#	US-PATENT-CLASS-73-432R	c 35	N77-19385 *	#
US-PATENT-CLASS-73-161	c 11	N72-25288 *	#	US-PATENT-CLASS-73-24	c 06	N69-39733 *	#	US-PATENT-CLASS-73-432R	c 35	N78-18390 *	#
US-PATENT-CLASS-73-167	c 15	N84-16231 *	#	US-PATENT-CLASS-73-28	c 14	N73-27376 *	#	US-PATENT-CLASS-73-432R	c 15	N84-16231 *	#
US-PATENT-CLASS-73-170A	c 35	N78-27384 *	#	US-PATENT-CLASS-73-28	c 14	N73-30395 *	#	US-PATENT-CLASS-73-432SD	c 11	N72-27262 *	#
US-PATENT-CLASS-73-170A	c 48	N80-18667 *	#	US-PATENT-CLASS-73-28	c 35	N76-18401 *	#	US-PATENT-CLASS-73-432SD	c 11	N73-20267 *	#
US-PATENT-CLASS-73-170R	c 07	N73-20175 *	#	US-PATENT-CLASS-73-28	c 35	N78-18390 *	#	US-PATENT-CLASS-73-432SD	c 35	N77-18417 *	#
US-PATENT-CLASS-73-170R	c 14	N73-28487 *	#	US-PATENT-CLASS-73-290B	c 14	N72-11363 *	#	US-PATENT-CLASS-73-432T	c 74	N84-19121 *	#
US-PATENT-CLASS-73-170R	c 14	N73-32327 *	#	US-PATENT-CLASS-73-290	c 14	N71-10500 *	#	US-PATENT-CLASS-73-432	c 11	N70-34786 *	#
US-PATENT-CLASS-73-170R	c 33	N74-27862 *	#	US-PATENT-CLASS-73-290	c 14	N71-21007 *	#	US-PATENT-CLASS-73-432	c 11	N70-38675 *	#
US-PATENT-CLASS-73-170R	c 35	N75-33367 *	#	US-PATENT-CLASS-73-295	c 23	N71-17802 *	#	US-PATENT-CLASS-73-432	c 05	N70-42000 *	#
US-PATENT-CLASS-73-170R	c 91	N76-30131 *	#	US-PATENT-CLASS-73-295	c 31	N76-14284 *	#	US-PATENT-CLASS-73-432	c 31	N71-16221 *	#
US-PATENT-CLASS-73-170R	c 06	N83-10040 *	#	US-PATENT-CLASS-73-29	c 14	N71-17701 *	#	US-PATENT-CLASS-73-432	c 27	N71-16223 *	#
US-PATENT-CLASS-73-170R	c 35	N84-28018 *	#	US-PATENT-CLASS-73-29	c 14	N71-20741 *	#	US-PATENT-CLASS-73-432	c 30	N71-17788 *	#
US-PATENT-CLASS-73-170	c 14	N71-14996 *	#	US-PATENT-CLASS-73-301	c 12	N71-26387 *	#	US-PATENT-CLASS-73-432	c 14	N71-23227 *	#
US-PATENT-CLASS-73-170	c 17	N73-32415 *	#	US-PATENT-CLASS-73-304C	c 14	N71-29134 *	#	US-PATENT-CLASS-73-432	c 10	N71-26339 *	#
US-PATENT-CLASS-73-178-R	c 06	N84-34443 *	#	US-PATENT-CLASS-73-304	c 14	N72-22442 *	#	US-PATENT-CLASS-73-432	c 11	N71-28629 *	#
US-PATENT-CLASS-73-178R	c 35	N75-29381 *	#	US-PATENT-CLASS-73-30	c 14	N70-41681 *	#	US-PATENT-CLASS-73-432	c 14	N71-30026 *	#
US-PATENT-CLASS-73-178R	c 04	N77-19056 *	#	US-PATENT-CLASS-73-32R	c 76	N75-12810 *	#	US-PATENT-CLASS-73-432	c 35	N74-21062 *	#
US-PATENT-CLASS-73-178R	c 37	N78-27424 *	#	US-PATENT-CLASS-73-32R	c 35	N84-28018 *	#	US-PATENT-CLASS-73-45.5	c 12	N71-17573 *	#
US-PATENT-CLASS-73-178R	c 35	N79-26372 *	#	US-PATENT-CLASS-73-32	c 14	N70-41330 *	#	US-PATENT-CLASS-73-456	c 35	N78-24515 *	#
US-PATENT-CLASS-73-178R	c 06	N81-17057 *	#	US-PATENT-CLASS-73-336.5	c 35	N78-25391 *	#	US-PATENT-CLASS-73-462	c 35	N87-14670 *	#
US-PATENT-CLASS-73-178R	c 04	N81-21047 *	#	US-PATENT-CLASS-73-336.5	c 35	N85-29212 *	#	US-PATENT-CLASS-73-468	c 37	N84-28082 *	#
US-PATENT-CLASS-73-178R	c 18	N81-29152 *	#	US-PATENT-CLASS-73-339	c 33	N73-27966 *	#	US-PATENT-CLASS-73-46	c 35	N75-19612 *	#
US-PATENT-CLASS-73-178R	c 06	N82-16075 *	#	US-PATENT-CLASS-73-341	c 14	N71-15598 *	#	US-PATENT-CLASS-73-473	c 35	N87-14670 *	#
US-PATENT-CLASS-73-178R	c 06	N83-10040 *	#	US-PATENT-CLASS-73-341	c 44	N82-16474 *	#	US-PATENT-CLASS-73-477	c 35	N87-14670 *	#
US-PATENT-CLASS-73-178R	c 06	N84-27733 *	#	US-PATENT-CLASS-73-343R	c 52	N77-10780 *	#	US-PATENT-CLASS-73-49.2	c 32	N71-24285 *	#
US-PATENT-CLASS-73-178T	c 06	N86-27280 *	#	US-PATENT-CLASS-73-343R	c 35	N80-18357 *	#	US-PATENT-CLASS-73-49.2	c 35	N75-15931 *	#
US-PATENT-CLASS-73-178	c 14	N70-36807 *	#	US-PATENT-CLASS-73-343	c 33	N71-16356 *	#	US-PATENT-CLASS-73-49.2	c 35	N75-19612 *	#
US-PATENT-CLASS-73-178	c 14	N70-40157 *	#	US-PATENT-CLASS-73-343	c 11	N71-21475 *	#	US-PATENT-CLASS-73-49.3	c 14	N71-26672 *	#
US-PATENT-CLASS-73-179	c 34	N85-21568 *	#	US-PATENT-CLASS-73-355R	c 14	N72-24477 *	#	US-PATENT-CLASS-73-49.8	c 14	N69-27503 *	#
US-PATENT-CLASS-73-17	c 06	N71-24607 *	#	US-PATENT-CLASS-73-355R	c 35	N80-18359 *	#	US-PATENT-CLASS-73-49.8	c 15	N71-29132 *	#
US-PATENT-CLASS-73-180	c 35	N78-14364 *	#	US-PATENT-CLASS-73-355	c 14	N71-27323 *	#	US-PATENT-CLASS-73-490	c 04	N81-21047 *	#
US-PATENT-CLASS-73-180	c 02	N80-28300 *	#	US-PATENT-CLASS-73-355	c 14	N72-28437 *	#	US-PATENT-CLASS-73-492	c 14	N72-25411 *	#
US-PATENT-CLASS-73-182	c 14	N73-13415 *	#	US-PATENT-CLASS-73-356	c 35	N75-25122 *	#	US-PATENT-CLASS-73-493	c 17	N76-29347 *	#
US-PATENT-CLASS-73-182	c 35	N74-32878 *	#	US-PATENT-CLASS-73-35	c 33	N72-27959 *	#	US-PATENT-CLASS-73-497	c 14	N71-30265 *	#
US-PATENT-CLASS-73-182	c 35	N76-14429 *	#	US-PATENT-CLASS-73-361	c 35	N81-26431 *	#	US-PATENT-CLASS-73-497	c 35	N74-15094 *	#
US-PATENT-CLASS-73-182	c 02	N80-28300 *	#	US-PATENT-CLASS-73-362AR	c 35	N77-27368 *	#	US-PATENT-CLASS-73-4	c 14	N71-18481 *	#
US-PATENT-CLASS-73-187	c 35	N85-20295 *	#	US-PATENT-CLASS-73-37.5	c 35	N86-32698 *	#	US-PATENT-CLASS-73-4	c 14	N71-23036 *	#
US-PATENT-CLASS-73-188	c 06	N80-18036 *	#	US-PATENT-CLASS-73-379	c 05	N73-27941 *	#	US-PATENT-CLASS-73-4	c 14	N71-23755 *	#
US-PATENT-CLASS-73-189	c 20	N71-16281 *	#	US-PATENT-CLASS-73-379	c 05	N73-30078 *	#	US-PATENT-CLASS-73-4	c 14	N73-30390 *	#
US-PATENT-CLASS-73-189	c 02	N71-23007 *	#	US-PATENT-CLASS-73-379	c 35	N75-15932 *	#	US-PATENT-CLASS-73-502	c 35	N86-32695 *	#
US-PATENT-CLASS-73-189	c 14	N71-23276 *	#	US-PATENT-CLASS-73-379	c 39	N83-20280 *	#	US-PATENT-CLASS-73-504	c 04	N81-21047 *	#
US-PATENT-CLASS-73-189	c 14	N73-13415 *	#	US-PATENT-CLASS-73-382	c 10	N71-13537 *	#	US-PATENT-CLASS-73-505	c 23	N71-16098 *	#
US-PATENT-CLASS-73-189	c 14	N73-25460 *	#	US-PATENT-CLASS-73-382	c 14	N71-17587 *	#	US-PATENT-CLASS-73-505	c 12	N75-24774 *	#
US-PATENT-CLASS-73-189	c 35	N76-24524 *	#	US-PATENT-CLASS-73-384	c 15	N70-37925 *	#	US-PATENT-CLASS-73-505	c 71	N78-10837 *	#
US-PATENT-CLASS-73-189	c 34	N76-27517 *	#	US-PATENT-CLASS-73-388	c 35	N74-32878 *	#	US-PATENT-CLASS-73-505	c 71	N79-20827 *	#
US-PATENT-CLASS-73-189	c 34	N77-27345 *	#	US-PATENT-CLASS-73-389	c 12	N71-24692 *	#	US-PATENT-CLASS-73-505	c 71	N81-15767 *	#
US-PATENT-CLASS-73-189	c 34	N79-12359 *	#	US-PATENT-CLASS-73-38	c 18	N71-24934 *	#	US-PATENT-CLASS-73-505	c 71	N83-32515 *	#
US-PATENT-CLASS-73-189	c 06	N80-18036 *	#	US-PATENT-CLASS-73-398AR	c 52	N74-27566 *	#	US-PATENT-CLASS-73-505	c 71	N83-32516 *	#
US-PATENT-CLASS-73-189	c 47	N84-28292 *	#	US-PATENT-CLASS-73-398AR	c 52	N76-29896 *	#	US-PATENT-CLASS-73-505	c 71	N83-36846 *	#
US-PATENT-CLASS-73-190H	c 35	N74-22095 *	#	US-PATENT-CLASS-73-398C	c 14	N72-22438 *	#	US-PATENT-CLASS-73-505	c 71	N84-23233 *	#
US-PATENT-CLASS-73-190R	c 34	N74-27859 *	#	US-PATENT-CLASS-73-398C	c 33	N76-21390 *	#	US-PATENT-CLASS-73-505	c 71	N85-22105 *	#
US-PATENT-CLASS-73-190R	c 35	N81-19426 *	#	US-PATENT-CLASS-73-398	c 14	N70-34816 *	#	US-PATENT-CLASS-73-505	c 71	N85-29693 *	#
US-PATENT-CLASS-73-190	c 33	N71-15641 *	#	US-PATENT-CLASS-73-398	c 14	N71-21072 *	#	US-PATENT-CLASS-73-505	c 35	N86-20752 *	#
US-PATENT-CLASS-73-190	c 14	N71-22989 *	#	US-PATENT-CLASS-73-398	c 09	N71-24597 *	#	US-PATENT-CLASS-73-505	c 26	N86-32551 *	#
US-PATENT-CLASS-73-190	c 33	N71-23085 *	#	US-PATENT-CLASS-73-398	c 14	N73-30394 *	#	US-PATENT-CLASS-73-510	c 18	N81-29152 *	#
US-PATENT-CLASS-73-190	c 33	N71-29051 *	#	US-PATENT-CLASS-73-399	c 37	N76-18454 *	#	US-PATENT-CLASS-73-515	c 14	N72-25410 *	#
US-PATENT-CLASS-73-194A	c 14	N72-17329 *	#	US-PATENT-CLASS-73-3	c 34	N74-27730 *	#	US-PATENT-CLASS-73-517B	c 35	N74-15094 *	#
US-PATENT-CLASS-73-194EM	c 14	N73-32326 *	#	US-PATENT-CLASS-73-3	c 34	N86-12547 *	#	US-PATENT-CLASS-73-517R	c 17	N76-29347 *	#
US-PATENT-CLASS-73-194EM	c 35	N74-21018 *	#	US-PATENT-CLASS-73-4R	c 35	N74-13132 *	#	US-PATENT-CLASS-73-517	c 11	N70-38196 *	#
US-PATENT-CLASS-73-194E	c 14	N73-20478 *	#	US-PATENT-CLASS-73-4R	c 35	N79-14347 *	#	US-PATENT-CLASS-73-517	c 14	N70-41982 *	#
US-PATENT-CLASS-73-194E	c 05	N73-32015 *	#	US-PATENT-CLASS-73-4R	c 35	N80-18358 *	#	US-PATENT-CLASS-73-517	c 14	N71-15969 *	#
US-PATENT-CLASS-73-194F	c 14	N72-11365 *	#	US-PATENT-CLASS-73-4V	c 35	N74-15092 *	#	US-PATENT-CLASS-73-521	c 14	N72-25410 *	#
US-PATENT-CLASS-73-194M	c 05	N73-32015 *	#	US-PATENT-CLASS-73-40.5A	c 35	N85-21597 *	#	US-PATENT-CLASS-73-521	c 35	N86-32695 *	#
US-PATENT-CLASS-73-194M	c 35	N75-30503 *	#	US-PATENT-CLASS-73-40.5</							

REPORT NUMBER INDEX

US-PATENT-CLASS-75-200

US-PATENT-CLASS-73-57	c 14	N73-14429 *	#	US-PATENT-CLASS-73-856	c 39	N83-32081 *	#	US-PATENT-CLASS-74-425	c 37	N80-32716 *	#
US-PATENT-CLASS-73-582	c 27	N85-20126 *	#	US-PATENT-CLASS-73-856	c 24	N84-27829 *	#	US-PATENT-CLASS-74-436	c 37	N75-13266 *	#
US-PATENT-CLASS-73-588	c 37	N84-33807 *	#	US-PATENT-CLASS-73-856	c 35	N85-34375 *	#	US-PATENT-CLASS-74-468	c 15	N71-24984 *	#
US-PATENT-CLASS-73-588	c 27	N85-20126 *	#	US-PATENT-CLASS-73-856	c 14	N72-33377 *	#	US-PATENT-CLASS-74-469	c 15	N72-21463 *	#
US-PATENT-CLASS-73-589	c 35	N79-10390 *	#	US-PATENT-CLASS-73-860	c 39	N83-32081 *	#	US-PATENT-CLASS-74-469	c 15	N72-28495 *	#
US-PATENT-CLASS-73-589	c 35	N84-22933 *	#	US-PATENT-CLASS-73-861.05	c 33	N83-31954 *	#	US-PATENT-CLASS-74-471XY	c 54	N75-27760 *	#
US-PATENT-CLASS-73-589	c 35	N84-22933 *	#	US-PATENT-CLASS-73-861.07	c 34	N86-12547 *	#	US-PATENT-CLASS-74-471	c 05	N70-41581 *	#
US-PATENT-CLASS-73-594	c 35	N83-16626 *	#	US-PATENT-CLASS-73-861.58	c 35	N86-25752 *	#	US-PATENT-CLASS-74-471	c 03	N70-42073 *	#
US-PATENT-CLASS-73-597	c 33	N83-16626 *	#	US-PATENT-CLASS-73-861.65	c 02	N80-28300 *	#	US-PATENT-CLASS-74-471	c 15	N71-20740 *	#
US-PATENT-CLASS-73-597	c 52	N83-25758 *	#	US-PATENT-CLASS-73-861.66	c 02	N80-28300 *	#	US-PATENT-CLASS-74-479	c 08	N82-24205 *	#
US-PATENT-CLASS-73-597	c 32	N87-14559 *	#	US-PATENT-CLASS-73-861.71	c 47	N81-26402 *	#	US-PATENT-CLASS-74-480R	c 05	N75-12930 *	#
US-PATENT-CLASS-73-603	c 38	N78-32447 *	#	US-PATENT-CLASS-73-861	c 34	N81-26402 *	#	US-PATENT-CLASS-74-480R	c 08	N82-24205 *	#
US-PATENT-CLASS-73-60	c 14	N73-14429 *	#	US-PATENT-CLASS-73-862.01	c 35	N86-19581 *	#	US-PATENT-CLASS-74-5.12	c 31	N71-26537 *	#
US-PATENT-CLASS-73-61.1C	c 23	N77-17161 *	#	US-PATENT-CLASS-73-862.04	c 35	N86-32696 *	#	US-PATENT-CLASS-74-5.22	c 21	N73-13644 *	#
US-PATENT-CLASS-73-61R	c 35	N78-27384 *	#	US-PATENT-CLASS-73-862.08	c 54	N82-26987 *	#	US-PATENT-CLASS-74-5.34	c 04	N76-26175 *	#
US-PATENT-CLASS-73-615	c 32	N87-14559 *	#	US-PATENT-CLASS-73-862.54	c 37	N83-36482 *	#	US-PATENT-CLASS-74-5.34	c 06	N83-33882 *	#
US-PATENT-CLASS-73-61	c 14	N71-26199 *	#	US-PATENT-CLASS-73-862.54	c 35	N85-20294 *	#	US-PATENT-CLASS-74-5.47	c 21	N71-23289 *	#
US-PATENT-CLASS-73-620	c 35	N84-22928 *	#	US-PATENT-CLASS-73-862.54	c 35	N86-19581 *	#	US-PATENT-CLASS-74-5.5	c 35	N74-28097 *	#
US-PATENT-CLASS-73-626	c 52	N79-26771 *	#	US-PATENT-CLASS-73-862.61	c 35	N86-32696 *	#	US-PATENT-CLASS-74-5.5	c 37	N84-28082 *	#
US-PATENT-CLASS-73-629	c 33	N83-16626 *	#	US-PATENT-CLASS-73-862.65	c 35	N84-28015 *	#	US-PATENT-CLASS-74-5.6D	c 33	N85-29142 *	#
US-PATENT-CLASS-73-630	c 39	N78-15512 *	#	US-PATENT-CLASS-73-863.11	c 35	N83-29650 *	#	US-PATENT-CLASS-74-5.6	c 35	N74-15094 *	#
US-PATENT-CLASS-73-632	c 38	N79-14398 *	#	US-PATENT-CLASS-73-863.11	c 37	N85-29286 *	#	US-PATENT-CLASS-74-5.7	c 35	N74-18323 *	#
US-PATENT-CLASS-73-633	c 52	N79-14751 *	#	US-PATENT-CLASS-73-863.21	c 35	N86-26595 *	#	US-PATENT-CLASS-74-5.7	c 15	N76-14158 *	#
US-PATENT-CLASS-73-633	c 35	N84-22928 *	#	US-PATENT-CLASS-73-863.31	c 45	N83-25217 *	#	US-PATENT-CLASS-74-5F	c 15	N73-12488 *	#
US-PATENT-CLASS-73-64	c 34	N83-31993 *	#	US-PATENT-CLASS-73-863.72	c 35	N86-26595 *	#	US-PATENT-CLASS-74-501R	c 15	N72-22485 *	#
US-PATENT-CLASS-73-641	c 38	N79-14398 *	#	US-PATENT-CLASS-73-863.83	c 45	N86-26595 *	#	US-PATENT-CLASS-74-515E	c 54	N78-17676 *	#
US-PATENT-CLASS-73-644	c 38	N79-14398 *	#	US-PATENT-CLASS-73-863.86	c 35	N83-25217 *	#	US-PATENT-CLASS-74-519	c 03	N70-41954 *	#
US-PATENT-CLASS-73-644	c 52	N79-14751 *	#	US-PATENT-CLASS-73-864.34	c 35	N85-29213 *	#	US-PATENT-CLASS-74-519	c 05	N81-19087 *	#
US-PATENT-CLASS-73-646	c 71	N78-14867 *	#	US-PATENT-CLASS-73-864.41	c 35	N86-26595 *	#	US-PATENT-CLASS-74-572	c 07	N78-33101 *	#
US-PATENT-CLASS-73-646	c 35	N84-12445 *	#	US-PATENT-CLASS-73-864.52	c 35	N84-28018 *	#	US-PATENT-CLASS-74-572	c 37	N79-10422 *	#
US-PATENT-CLASS-73-647	c 32	N79-24203 *	#	US-PATENT-CLASS-73-864.63	c 45	N85-29213 *	#	US-PATENT-CLASS-74-572	c 44	N79-14527 *	#
US-PATENT-CLASS-73-655	c 35	N80-14371 *	#	US-PATENT-CLASS-73-864.81	c 37	N83-25217 *	#	US-PATENT-CLASS-74-572	c 24	N81-29163 *	#
US-PATENT-CLASS-73-657	c 35	N85-30282 *	#	US-PATENT-CLASS-73-86	c 14	N85-29286 *	#	US-PATENT-CLASS-74-573R	c 37	N84-28082 *	#
US-PATENT-CLASS-73-658	c 35	N84-12445 *	#	US-PATENT-CLASS-73-86	c 33	N69-39975 *	#	US-PATENT-CLASS-74-586	c 37	N79-14382 *	#
US-PATENT-CLASS-73-65	c 14	N71-22992 *	#	US-PATENT-CLASS-73-86	c 33	N71-21586 *	#	US-PATENT-CLASS-74-58	c 35	N84-22928 *	#
US-PATENT-CLASS-73-661	c 35	N80-14371 *	#	US-PATENT-CLASS-73-86	c 33	N73-27796 *	#	US-PATENT-CLASS-74-594.6	c 37	N74-18127 *	#
US-PATENT-CLASS-73-67.1	c 35	N75-12271 *	#	US-PATENT-CLASS-73-86	c 34	N74-15652 *	#	US-PATENT-CLASS-74-594.7	c 37	N74-18127 *	#
US-PATENT-CLASS-73-67.2	c 11	N69-21540 *	#	US-PATENT-CLASS-73-88.5R	c 15	N72-17452 *	#	US-PATENT-CLASS-74-63	c 15	N71-17692 *	#
US-PATENT-CLASS-73-67.2	c 15	N71-18132 *	#	US-PATENT-CLASS-73-88.5R	c 32	N73-26910 *	#	US-PATENT-CLASS-74-661	c 37	N80-32716 *	#
US-PATENT-CLASS-73-67.2	c 14	N72-22440 *	#	US-PATENT-CLASS-73-88.5R	c 52	N74-27864 *	#	US-PATENT-CLASS-74-665B	c 37	N76-15457 *	#
US-PATENT-CLASS-73-67.2	c 35	N78-17358 *	#	US-PATENT-CLASS-73-88.5R	c 35	N76-14430 *	#	US-PATENT-CLASS-74-665C	c 37	N80-32716 *	#
US-PATENT-CLASS-73-67.3	c 32	N73-26910 *	#	US-PATENT-CLASS-73-88.5SSD	c 33	N76-19338 *	#	US-PATENT-CLASS-74-674	c 37	N79-20377 *	#
US-PATENT-CLASS-73-67.5R	c 38	N74-15395 *	#	US-PATENT-CLASS-73-88.5	c 14	N70-34705 *	#	US-PATENT-CLASS-74-675	c 37	N74-27901 *	#
US-PATENT-CLASS-73-67.7	c 39	N77-28511 *	#	US-PATENT-CLASS-73-88.5	c 14	N70-34799 *	#	US-PATENT-CLASS-74-705	c 37	N79-20377 *	#
US-PATENT-CLASS-73-67.8S	c 35	N74-10415 *	#	US-PATENT-CLASS-73-88.5	c 14	N71-17656 *	#	US-PATENT-CLASS-74-710	c 37	N74-27901 *	#
US-PATENT-CLASS-73-67.8S	c 38	N74-15130 *	#	US-PATENT-CLASS-73-88.5	c 14	N71-21091 *	#	US-PATENT-CLASS-74-753	c 37	N84-28084 *	#
US-PATENT-CLASS-73-67.9	c 52	N74-20726 *	#	US-PATENT-CLASS-73-88.5	c 14	N71-23087 *	#	US-PATENT-CLASS-74-758	c 37	N84-28084 *	#
US-PATENT-CLASS-73-683.31	c 35	N81-29407 *	#	US-PATENT-CLASS-73-88.5	c 09	N71-24233 *	#	US-PATENT-CLASS-74-764	c 37	N79-20377 *	#
US-PATENT-CLASS-73-684.52	c 35	N81-29407 *	#	US-PATENT-CLASS-73-88.5	c 33	N72-22200 *	#	US-PATENT-CLASS-74-800	c 37	N78-17385 *	#
US-PATENT-CLASS-73-69	c 71	N74-31148 *	#	US-PATENT-CLASS-73-88.5	c 38	N75-31329 *	#	US-PATENT-CLASS-74-812	c 37	N84-28084 *	#
US-PATENT-CLASS-73-70.2	c 14	N71-10616 *	#	US-PATENT-CLASS-73-88.5	c 38	N76-28563 *	#	US-PATENT-CLASS-74-81	c 37	N78-16369 *	#
US-PATENT-CLASS-73-705	c 36	N85-21639 *	#	US-PATENT-CLASS-73-88A	c 32	N73-20740 *	#	US-PATENT-CLASS-74-820	c 37	N75-13266 *	#
US-PATENT-CLASS-73-708	c 34	N85-21568 *	#	US-PATENT-CLASS-73-88F	c 39	N78-15512 *	#	US-PATENT-CLASS-74-83	c 37	N78-16369 *	#
US-PATENT-CLASS-73-71.2	c 14	N70-34794 *	#	US-PATENT-CLASS-73-88R	c 35	N74-13129 *	#	US-PATENT-CLASS-74-89.15	c 15	N71-26635 *	#
US-PATENT-CLASS-73-71.3	c 35	N74-15146 *	#	US-PATENT-CLASS-73-88R	c 35	N77-22449 *	#	US-PATENT-CLASS-74-89.15	c 15	N72-21462 *	#
US-PATENT-CLASS-73-71.4	c 32	N71-16428 *	#	US-PATENT-CLASS-73-88R	c 39	N77-28511 *	#	US-PATENT-CLASS-74-89.18	c 15	N71-23809 *	#
US-PATENT-CLASS-73-71.4	c 32	N71-26681 *	#	US-PATENT-CLASS-73-88	c 32	N71-17645 *	#	US-PATENT-CLASS-74-89	c 37	N81-33483 *	#
US-PATENT-CLASS-73-71.5R	c 71	N74-31148 *	#	US-PATENT-CLASS-73-90	c 32	N70-42003 *	#	US-PATENT-CLASS-74-96	c 37	N77-22482 *	#
US-PATENT-CLASS-73-71.5U	c 38	N74-15395 *	#	US-PATENT-CLASS-73-90	c 32	N71-25360 *	#	US-PATENT-CLASS-75-5B	c 17	N72-22530 *	#
US-PATENT-CLASS-73-71.6	c 14	N71-27185 *	#	US-PATENT-CLASS-73-90	c 14	N73-20476 *	#	US-PATENT-CLASS-75-DIG.1	c 18	N72-25539 *	#
US-PATENT-CLASS-73-71.6	c 14	N72-27412 *	#	US-PATENT-CLASS-73-91	c 14	N73-20476 *	#	US-PATENT-CLASS-75-DIG.1	c 37	N75-26371 *	#
US-PATENT-CLASS-73-71.6	c 14	N73-13416 *	#	US-PATENT-CLASS-73-91	c 32	N73-26910 *	#	US-PATENT-CLASS-75-0.58B	c 15	N72-25448 *	#
US-PATENT-CLASS-73-71.6	c 14	N73-19421 *	#	US-PATENT-CLASS-73-91	c 09	N74-19528 *	#	US-PATENT-CLASS-75-122.7	c 37	N77-19458 *	#
US-PATENT-CLASS-73-71.6	c 35	N77-18417 *	#	US-PATENT-CLASS-73-91	c 39	N78-10493 *	#	US-PATENT-CLASS-75-124	c 26	N78-18182 *	#
US-PATENT-CLASS-73-714	c 35	N79-14347 *	#	US-PATENT-CLASS-73-94	c 14	N73-32323 *	#	US-PATENT-CLASS-75-124	c 26	N80-32484 *	#
US-PATENT-CLASS-73-714	c 34	N79-24285 *	#	US-PATENT-CLASS-73-95	c 15	N71-24834 *	#	US-PATENT-CLASS-75-126D	c 26	N78-18182 *	#
US-PATENT-CLASS-73-714	c 35	N84-14491 *	#	US-PATENT-CLASS-73-95	c 14	N72-11364 *	#	US-PATENT-CLASS-75-126F	c 26	N78-18182 *	#
US-PATENT-CLASS-73-721	c 35	N79-14347 *	#	US-PATENT-CLASS-73-95	c 35	N76-18400 *	#	US-PATENT-CLASS-75-128G	c 26	N78-18182 *	#
US-PATENT-CLASS-73-721	c 35	N84-22934 *	#	US-PATENT-CLASS-73-95	c 35	N77-22450 *	#	US-PATENT-CLASS-75-128T	c 26	N78-18182 *	#
US-PATENT-CLASS-73-724	c 32	N79-24203 *	#	US-PATENT-CLASS-73-95	c 31	N79-11246 *	#	US-PATENT-CLASS-75-134D	c 76	N79-16678 *	#
US-PATENT-CLASS-73-724	c 52	N80-18691 *	#	US-PATENT-CLASS-73-97	c 14	N71-15600 *	#	US-PATENT-CLASS-75-135	c 18	N73-32437 *	#
US-PATENT-CLASS-73-724	c 33	N82-26572 *	#	US-PATENT-CLASS-73-99	c 14	N71-10781 *	#	US-PATENT-CLASS-75-135	c 24	N77-27187 *	#
US-PATENT-CLASS-73-753	c 35	N85-21597 *	#	US-PATENT-CLASS-73-9	c 14	N71-22995 *	#	US-PATENT-CLASS-75-135	c 26	N80-23419 *	#
US-PATENT-CLASS-73-756	c 35	N78-24515 *	#	US-PATENT-CLASS-73-9	c 35	N76-31489 *	#	US-PATENT-CLASS-75-138	c 26	N80-23419 *	#
US-PATENT-CLASS-73-756	c 35	N79-14347 *	#	US-PATENT-CLASS-73-9	c 15	N84-16231 *	#	US-PATENT-CLASS-75-139	c 24	N77-27187 *	#
US-PATENT-CLASS-73-756	c 35	N84-22934 *	#	US-PATENT-CLASS-74-100R	c 37	N78-31426 *	#	US-PATENT-CLASS-75-142	c 17	N71-20743 *	#
US-PATENT-CLASS-73-75	c 35	N85-34373 *	#	US-PATENT-CLASS-74-100	c 15	N71-24045 *	#	US-PATENT-CLASS-75-170	c 17	N71-15644 *	#
US-PATENT-CLASS-73-761	c 33	N83-16626 *	#	US-PATENT-CLASS-74-105	c 09	N72-22195 *	#	US-PATENT-CLASS-75-170	c 17	N71-16025 *	#
US-PATENT-CLASS-73-76	c 06	N72-17095 *	#	US-PATENT-CLASS-74-110	c 44	N83-14693 *	#	US-PATENT-CLASS-75-170	c 17	N71-23248 *	#
US-PATENT-CLASS-73-770	c 39	N79-22537 *	#	US-PATENT-CLASS-74-126	c 15	N71-21529 *	#	US-PATENT-CLASS-75-170	c 17	N72-22535 *	#
US-PATENT-CLASS-73-781	c 52	N80-27072 *	#	US-PATENT-CLASS-74-18.1	c 37	N82-24493 *	#	US-PATENT-CLASS-75-170	c 37	N77-19458 *	#
US-PATENT-CLASS-73-79	c 14	N71-26161 *	#	US-PATENT-CLASS-74-18.2	c 11	N71-27036 *	#	US-PATENT-CLASS-75-170	c 26	N77-20201 *	#
US-PATENT-CLASS-73-7	c 25	N86-19413 *	#	US-PATENT-CLASS-74-217R	c 37	N82-24493 *	#	US-PATENT-CLASS-75-170	c 26	N77-32279 *	#
US-PATENT-CLASS-73-810	c 39	N79-22537 *	#	US-PATENT-CLASS-74-2	c 15	N71-24000 *	#	US-PATENT-CLASS-75-170	c 26	N77-32280 *	#
US-PATENT-CLASS-73-818	c 35	N83-21312 *	#	US-PATENT-CLASS-74-2	c 31	N73-14855 *	#	US-PATENT-CLASS-75-171	c 26	N78-18183 *	#
US-PATENT-CLASS-73-818	c 39	N83-32081 *	#	US-PATENT-CLASS-74-2	c 37	N76-15457 *	#	US-PATENT-CLASS-75-171	c 17	N70-33283 *	#
US-PATENT-CLASS-73-81	c 14	N73-32321 *	#	US-PATENT-CLASS-74-384	c 07	N78-17056 *	#	US-PATENT-CLASS-75-171	c 17	N70-36616 *	#
US-PATENT-CLASS-73-822	c 39	N83-32081 *	#	US-PATENT-CLASS-74-409	c 15	N71-21744 *	#	US-PATENT-CLASS-75-172	c 17	N71-16026 *	#
US-PATENT-CLASS-73-827</											

US-PATENT-CLASS-75-200	c 37	N74-13179 *	#	US-PATENT-CLASS-88-14	c 14	N70-41946 *	#	US-PATENT-DES-228,688	c 05	N74-10907 *	#
US-PATENT-CLASS-75-200	c 24	N75-13032 *	#	US-PATENT-CLASS-88-14	c 14	N70-41955 *	#				
US-PATENT-CLASS-75-200	c 37	N75-26371 *	#	US-PATENT-CLASS-88-14	c 09	N71-22999 *	#	US-PATENT-RE-26,548	c 07	N71-12389 *	#
US-PATENT-CLASS-75-200	c 24	N80-33482 *	#	US-PATENT-CLASS-88-16	c 14	N70-33254 *	#	US-PATENT-RE-28,921	c 52	N76-30793 *	#
US-PATENT-CLASS-75-202	c 17	N71-15468 *	#	US-PATENT-CLASS-88-1	c 21	N70-35427 *	#				
US-PATENT-CLASS-75-203	c 27	N79-14213 *	#	US-PATENT-CLASS-88-1	c 21	N71-22880 *	#	US-PATENT-2,837,706	c 15	N71-28952 *	#
US-PATENT-CLASS-75-204	c 18	N71-22894 *	#	US-PATENT-CLASS-88-24	c 23	N71-21882 *	#	US-PATENT-2,898,889	c 02	N71-29128 *	#
US-PATENT-CLASS-75-205	c 27	N79-14213 *	#	US-PATENT-CLASS-89-1.5G	c 08	N82-32373 *	#	US-PATENT-2,903,307	c 15	N71-29136 *	#
US-PATENT-CLASS-75-206	c 15	N72-25448 *	#	US-PATENT-CLASS-89-1.54	c 05	N87-14314 *	#	US-PATENT-2,926,123	c 33	N71-29151 *	#
US-PATENT-CLASS-75-206	c 27	N79-14213 *	#	US-PATENT-CLASS-89-1.57	c 37	N85-30334 *	#	US-PATENT-2,934,331	c 15	N70-33382 *	#
US-PATENT-CLASS-75-208R	c 37	N75-26371 *	#	US-PATENT-CLASS-89-1.5	c 31	N71-15675 *	#	US-PATENT-2,940,259	c 28	N70-33241 *	#
US-PATENT-CLASS-75-208	c 18	N72-25539 *	#	US-PATENT-CLASS-89-1.5	c 15	N71-24600 *	#	US-PATENT-2,944,316	c 15	N71-16076 *	#
US-PATENT-CLASS-75-211	c 18	N72-25539 *	#	US-PATENT-CLASS-89-1.7	c 11	N70-38202 *	#	US-PATENT-2,945,667	c 15	N70-33376 *	#
US-PATENT-CLASS-75-212	c 37	N75-26371 *	#	US-PATENT-CLASS-89-1.7	c 30	N70-40353 *	#	US-PATENT-2,956,772	c 33	N71-29152 *	#
US-PATENT-CLASS-75-212	c 27	N79-14213 *	#	US-PATENT-CLASS-89-1.7	c 03	N71-12258 *	#	US-PATENT-2,960,002	c 14	N70-41946 *	#
US-PATENT-CLASS-75-213	c 15	N72-25448 *	#	US-PATENT-CLASS-89-1.7	c 03	N71-12258 *	#	US-PATENT-2,971,837	c 17	N70-33283 *	#
US-PATENT-CLASS-75-213	c 37	N74-13179 *	#	US-PATENT-CLASS-89-1.7	c 03	N71-12259 *	#	US-PATENT-2,974,925	c 28	N70-33372 *	#
US-PATENT-CLASS-75-214	c 37	N74-13179 *	#	US-PATENT-CLASS-89-1.801	c 20	N76-22296 *	#	US-PATENT-2,984,735	c 11	N70-33329 *	#
US-PATENT-CLASS-75-214	c 37	N75-26371 *	#	US-PATENT-CLASS-89-1.806	c 15	N71-24043 *	#	US-PATENT-2,991,671	c 15	N70-33330 *	#
US-PATENT-CLASS-75-222	c 28	N70-38197 *	#	US-PATENT-CLASS-89-1.811	c 15	N72-17455 *	#	US-PATENT-2,991,961	c 02	N70-33332 *	#
US-PATENT-CLASS-75-222	c 37	N75-26371 *	#	US-PATENT-CLASS-89-1B	c 01	N83-35992 *	#	US-PATENT-2,996,212	c 31	N71-17680 *	#
US-PATENT-CLASS-75-222	c 24	N80-33482 *	#	US-PATENT-CLASS-89-1	c 03	N70-34667 *	#	US-PATENT-2,997,274	c 28	N71-29154 *	#
US-PATENT-CLASS-75-225	c 34	N76-27515 *	#	US-PATENT-CLASS-89-1	c 15	N71-16078 *	#	US-PATENT-3,001,363	c 28	N70-33331 *	#
US-PATENT-CLASS-75-226	c 18	N72-25539 *	#	US-PATENT-CLASS-89-8	c 11	N71-18578 *	#	US-PATENT-3,001,395	c 14	N70-33386 *	#
US-PATENT-CLASS-75-226	c 26	N74-10521 *	#	US-PATENT-CLASS-89-8	c 11	N73-32152 *	#	US-PATENT-3,001,739	c 03	N70-33343 *	#
US-PATENT-CLASS-75-226	c 37	N74-13179 *	#	US-PATENT-CLASS-89-8	c 75	N76-14931 *	#	US-PATENT-3,004,189	c 37	N75-29426 *	#
US-PATENT-CLASS-75-226	c 27	N79-14213 *	#	US-PATENT-CLASS-89-8	c 75	N76-17951 *	#	US-PATENT-3,004,735	c 14	N70-33322 *	#
US-PATENT-CLASS-75-229	c 27	N78-17206 *	#	US-PATENT-CLASS-89-8	c 09	N79-21084 *	#	US-PATENT-3,005,081	c 09	N70-33312 *	#
US-PATENT-CLASS-75-239	c 27	N78-17206 *	#	US-PATENT-CLASS-9-11A	c 02	N73-26006 *	#	US-PATENT-3,005,339	c 11	N70-33287 *	#
US-PATENT-CLASS-75-241	c 27	N78-17206 *	#	US-PATENT-CLASS-9-11A	c 54	N74-14845 *	#	US-PATENT-3,008,229	c 15	N70-33311 *	#
US-PATENT-CLASS-75-25	c 28	N81-15119 *	#	US-PATENT-CLASS-9-11	c 05	N70-34857 *	#	US-PATENT-3,010,372	c 15	N70-33180 *	#
US-PATENT-CLASS-75-63	c 15	N71-27184 *	#	US-PATENT-CLASS-9-2A	c 02	N73-26006 *	#	US-PATENT-3,011,760	c 15	N70-33226 *	#
US-PATENT-CLASS-75-65R	c 24	N77-27187 *	#	US-PATENT-CLASS-9-312	c 05	N71-22748 *	#	US-PATENT-3,012,400	c 28	N70-33374 *	#
US-PATENT-CLASS-75-66	c 17	N71-26773 *	#	US-PATENT-CLASS-9-316	c 05	N70-36493 *	#	US-PATENT-3,012,407	c 15	N70-33323 *	#
US-PATENT-CLASS-75-66	c 06	N73-13129 *	#	US-PATENT-CLASS-9-3	c 02	N73-26006 *	#	US-PATENT-3,016,693	c 28	N70-33356 *	#
US-PATENT-CLASS-75-66	c 17	N73-28573 *	#	US-PATENT-CLASS-9-8	c 03	N70-36778 *	#	US-PATENT-3,016,863	c 12	N70-33305 *	#
US-PATENT-CLASS-77.5AQ	c 27	N81-15104 *	#	US-PATENT-CLASS-9-9	c 15	N71-24600 *	#	US-PATENT-3,022,672	c 14	N70-34816 *	#
US-PATENT-CLASS-77.5CH	c 27	N81-15104 *	#	US-PATENT-CLASS-9-11	c 15	N71-33518 *	#	US-PATENT-3,024,659	c 14	N70-34820 *	#
US-PATENT-CLASS-78-1	c 15	N70-33330 *	#	US-PATENT-CLASS-90-12.5	c 37	N74-25968 *	#	US-PATENT-3,028,122	c 02	N70-33286 *	#
US-PATENT-CLASS-788-704	c 36	N79-18307 *	#	US-PATENT-CLASS-90-12	c 15	N71-22799 *	#	US-PATENT-3,028,126	c 21	N70-33279 *	#
US-PATENT-CLASS-8-DIG.12	c 27	N80-26446 *	#	US-PATENT-CLASS-90-125	c 37	N86-20789 *	#	US-PATENT-3,028,128	c 31	N70-33242 *	#
US-PATENT-CLASS-8-DIG.18	c 27	N80-26446 *	#	US-PATENT-CLASS-90-131	c 37	N86-19603 *	#	US-PATENT-3,035,333	c 28	N70-41818 *	#
US-PATENT-CLASS-8-DIG.9	c 25	N86-25428 *	#	US-PATENT-CLASS-90-131	c 37	N86-20789 *	#	US-PATENT-3,038,077	c 21	N70-33181 *	#
US-PATENT-CLASS-8-11.55	c 27	N80-26446 *	#	US-PATENT-CLASS-90-142	c 37	N86-21850 *	#	US-PATENT-3,038,175	c 05	N70-33285 *	#
US-PATENT-CLASS-8-150	c 09	N82-29330 *	#	US-PATENT-CLASS-90-147	c 37	N86-21850 *	#	US-PATENT-3,041,587	c 14	N70-33179 *	#
US-PATENT-CLASS-8-3	c 51	N77-27677 *	#	US-PATENT-CLASS-90-150	c 37	N86-19603 *	#	US-PATENT-3,041,924	c 14	N70-33254 *	#
US-PATENT-CLASS-8-94.11	c 51	N77-27677 *	#	US-PATENT-CLASS-91-186	c 05	N73-32014 *	#	US-PATENT-3,045,424	c 28	N70-40367 *	#
US-PATENT-CLASS-8-94.12	c 18	N71-15545 *	#	US-PATENT-CLASS-91-325	c 37	N81-32510 *	#	US-PATENT-3,049,876	c 28	N70-33284 *	#
US-PATENT-CLASS-81-119	c 37	N79-14383 *	#	US-PATENT-CLASS-91-341R	c 37	N81-32510 *	#	US-PATENT-3,053,484	c 02	N70-33255 *	#
US-PATENT-CLASS-81-177G	c 37	N85-21649 *	#	US-PATENT-CLASS-91-361	c 15	N71-27754 *	#	US-PATENT-3,057,597	c 15	N70-33264 *	#
US-PATENT-CLASS-81-180B	c 37	N79-14383 *	#	US-PATENT-CLASS-91-363A	c 15	N73-13466 *	#	US-PATENT-3,059,220	c 09	N70-33182 *	#
US-PATENT-CLASS-81-3R	c 15	N71-29133 *	#	US-PATENT-CLASS-91-390	c 15	N71-27147 *	#	US-PATENT-3,063,291	c 11	N70-33278 *	#
US-PATENT-CLASS-81-55	c 37	N83-36482 *	#	US-PATENT-CLASS-91-390	c 15	N71-27754 *	#	US-PATENT-3,064,928	c 02	N70-33266 *	#
US-PATENT-CLASS-81-56	c 37	N76-20480 *	#	US-PATENT-CLASS-91-410	c 37	N81-32510 *	#	US-PATENT-3,067,573	c 28	N70-39899 *	#
US-PATENT-CLASS-81-57.31	c 37	N76-20480 *	#	US-PATENT-CLASS-91-448	c 15	N71-27754 *	#	US-PATENT-3,068,658	c 15	N70-34247 *	#
US-PATENT-CLASS-81-57.38	c 15	N73-30457 *	#	US-PATENT-CLASS-91-448	c 15	N73-13466 *	#	US-PATENT-3,069,123	c 14	N70-39898 *	#
US-PATENT-CLASS-81-57.38	c 37	N83-36482 *	#	US-PATENT-CLASS-91-461	c 15	N71-27147 *	#	US-PATENT-3,070,330	c 21	N70-34539 *	#
US-PATENT-CLASS-81-63.1	c 15	N71-17805 *	#	US-PATENT-CLASS-92-130R	c 37	N81-33483 *	#	US-PATENT-3,070,349	c 28	N70-39895 *	#
US-PATENT-CLASS-81-9.5R	c 37	N79-10419 *	#	US-PATENT-CLASS-92-37	c 37	N82-24493 *	#	US-PATENT-3,070,407	c 15	N70-39896 *	#
US-PATENT-CLASS-81-90B	c 37	N79-14383 *	#	US-PATENT-CLASS-92-49	c 14	N73-13418 *	#	US-PATENT-3,072,574	c 18	N70-39897 *	#
US-PATENT-CLASS-82-1.2	c 37	N81-14319 *	#	US-PATENT-CLASS-92-94	c 32	N70-41370 *	#	US-PATENT-3,076,065	c 09	N70-39915 *	#
US-PATENT-CLASS-82-1C	c 37	N81-14319 *	#	US-PATENT-CLASS-92-98R	c 31	N85-21404 *	#	US-PATENT-3,077,599	c 07	N70-40202 *	#
US-PATENT-CLASS-82-14	c 15	N71-22722 *	#	US-PATENT-CLASS-93-1	c 15	N70-33180 *	#	US-PATENT-3,079,113	c 02	N70-38009 *	#
US-PATENT-CLASS-82-24R	c 14	N72-16283 *	#	US-PATENT-CLASS-94.9N	c 27	N81-15104 *	#	US-PATENT-3,080,711	c 28	N70-38711 *	#
US-PATENT-CLASS-82-36R	c 37	N81-14319 *	#	US-PATENT-CLASS-95-1.1	c 14	N72-18411 *	#	US-PATENT-3,083,611	c 21	N70-35427 *	#
US-PATENT-CLASS-82-90	c 37	N85-21650 *	#	US-PATENT-CLASS-95-1.1	c 14	N73-26431 *	#	US-PATENT-3,084,421	c 17	N70-38490 *	#
US-PATENT-CLASS-83-152	c 76	N80-18951 *	#	US-PATENT-CLASS-95-11.5R	c 14	N73-19419 *	#	US-PATENT-3,085,165	c 09	N70-34819 *	#
US-PATENT-CLASS-83-451	c 37	N77-14478 *	#	US-PATENT-CLASS-95-11.5	c 14	N73-32319 *	#	US-PATENT-3,087,692	c 02	N70-34178 *	#
US-PATENT-CLASS-83-452	c 39	N74-13131 *	#	US-PATENT-CLASS-95-11R	c 14	N73-19419 *	#	US-PATENT-3,088,441	c 15	N70-35409 *	#
US-PATENT-CLASS-83-467R	c 37	N77-14478 *	#	US-PATENT-CLASS-95-11	c 14	N71-18465 *	#	US-PATENT-3,090,212	c 33	N70-37979 *	#
US-PATENT-CLASS-83-467	c 15	N71-22798 *	#	US-PATENT-CLASS-95-11	c 16	N71-33410 *	#	US-PATENT-3,090,580	c 31	N70-37924 *	#
US-PATENT-CLASS-83-522	c 15	N72-27485 *	#	US-PATENT-CLASS-95-11	c 14	N73-32319 *	#	US-PATENT-3,093,000	c 15	N70-37925 *	#
US-PATENT-CLASS-83-562	c 15	N72-27485 *	#	US-PATENT-CLASS-95-12.5	c 31	N72-25842 *	#	US-PATENT-3,093,346	c 31	N70-37938 *	#
US-PATENT-CLASS-83-563	c 15	N72-27485 *	#	US-PATENT-CLASS-95-12.5	c 14	N73-14427 *	#	US-PATENT-3,098,630	c 02	N70-37939 *	#
US-PATENT-CLASS-83-588	c 15	N72-27485 *	#	US-PATENT-CLASS-95-12	c 14	N73-33361 *	#	US-PATENT-3,100,294	c 09	N70-38998 *	#
US-PATENT-CLASS-83-602	c 39	N74-13131 *	#	US-PATENT-CLASS-95-18	c 14	N72-20380 *	#	US-PATENT-3,100,990	c 14	N70-34813 *	#
US-PATENT-CLASS-83-664	c 37	N85-21650 *	#	US-PATENT-CLASS-95-42	c 14	N73-32322 *	#	US-PATENT-3,102,948	c 15	N70-34814 *	#
US-PATENT-CLASS-83-676	c 37	N85-21650 *	#	US-PATENT-CLASS-95-44	c 14	N71-26474 *	#	US-PATENT-3,104,079	c 31	N70-37986 *	#
US-PATENT-CLASS-83-820	c 37	N80-29703 *	#	US-PATENT-CLASS-95-53EA	c 33	N74-20861 *	#	US-PATENT-3,104,082	c 02	N70-38011 *	#
US-PATENT-CLASS-83-870	c 76	N80-18951 *	#	US-PATENT-CLASS-95-53	c 15	N71-21060 *	#	US-PATENT-3,105,515	c 15	N70-38603 *	#
US-PATENT-CLASS-83-8	c 15	N72-27485 *	#	US-PATENT-CLASS-95-58	c 14	N70-40273 *	#	US-PATENT-3,106,603	c 09	N70-38201 *	#
US-PATENT-CLASS-83-917	c 39	N74-13131 *	#	US-PATENT-CLASS-95-59	c 14	N73-14427 *	#	US-PATENT-3,108,171	c 33	N70-34812 *	#
US-PATENT-CLASS-85-1	c 15	N72-22488 *	#	US-PATENT-CLASS-95-89R	c 35	N74-15831 *	#	US-PATENT-3,110,318	c 12	N70-38997 *	#
US-PATENT-CLASS-85-33	c 15	N71-15922 *	#	US-PATENT-CLASS-96-27R	c 35	N79-10389 *	#	US-PATENT-3,112,672	c 11	N70-38202 *	#
US-PATENT-CLASS-85-33	c 15	N71-21489 *	#	US-PATENT-CLASS-96-36.2	c 06	N72-21094 *	#	US-PATENT-3,115,630	c 31	N70-37981 *	#
US-PATENT-CLASS-85-3	c 15	N71-17653 *	#	US-PATENT-CLASS-96-36.2	c 15	N72-25452 *	#	US-PATENT-3,118,100	c 03	N71-29129 *	#
US-PATENT-CLASS-85-5B	c 15	N72-11385 *	#	US-PATENT-CLASS-96-38.3	c 35	N74-26946 *	#	US-PATENT-3,119,086	c 35	N79-33449 *	#
US-PATENT-CLASS-85-7	c 15	N71-23254 *	#	US-PATENT-CLASS-96-49	c 14	N71-17574 *	#	US-PATENT-3,119,232	c 28	N70-37980 *	#
US-PATENT-CLASS-859R	c 27	N81-15104 *	#	US-PATENT-CLASS-96-60R	c 35	N79-10389 *	#	US-PATENT-3,120,101	c 28	N70-34860 *	#
US-PATENT-CLASS-86-1R	c 28										

US-PATENT-3,123,418	c 37	N79-33467 *	#	US-PATENT-3,193,883	c 27	N70-34783 *	#	US-PATENT-3,249,013	c 03	N71-12259 *	#
US-PATENT-3,123,692	c 33	N79-33393 *	#	US-PATENT-3,194,060	c 14	N70-34794 *	#	US-PATENT-3,251,053	c 08	N71-12501 *	#
US-PATENT-3,127,157	c 15	N70-38225 *	#	US-PATENT-3,194,525	c 11	N70-35383 *	#	US-PATENT-3,252,100	c 10	N71-28960 *	#
US-PATENT-3,128,389	c 09	N70-38604 *	#	US-PATENT-3,194,951	c 08	N70-34778 *	#	US-PATENT-3,254,395	c 28	N71-15658 *	#
US-PATENT-3,128,845	c 15	N70-38601 *	#	US-PATENT-3,196,261	c 08	N70-34787 *	#	US-PATENT-3,254,487	c 28	N71-15659 *	#
US-PATENT-3,130,940	c 33	N70-33344 *	#	US-PATENT-3,196,362	c 09	N70-35440 *	#	US-PATENT-3,257,780	c 15	N71-15968 *	#
US-PATENT-3,131,040	c 37	N79-21345 *	#	US-PATENT-3,196,557	c 11	N70-34815 *	#	US-PATENT-3,258,582	c 02	N71-13421 *	#
US-PATENT-3,132,342	c 07	N70-38200 *	#	US-PATENT-3,196,558	c 14	N70-35394 *	#	US-PATENT-3,258,687	c 14	N71-15962 *	#
US-PATENT-3,132,476	c 28	N70-34294 *	#	US-PATENT-3,196,598	c 28	N70-34788 *	#	US-PATENT-3,258,831	c 15	N71-15986 *	#
US-PATENT-3,132,479	c 15	N71-28951 *	#	US-PATENT-3,196,675	c 14	N70-34818 *	#	US-PATENT-3,258,912	c 27	N71-15634 *	#
US-PATENT-3,132,903	c 15	N70-38620 *	#	US-PATENT-3,196,690	c 11	N70-34786 *	#	US-PATENT-3,259,918	c 27	N71-15635 *	#
US-PATENT-3,134,389	c 37	N79-33468 *	#	US-PATENT-3,197,616	c 14	N71-28958 *	#	US-PATENT-3,260,055	c 23	N71-15467 *	#
US-PATENT-3,135,089	c 28	N70-38504 *	#	US-PATENT-3,198,955	c 08	N70-34743 *	#	US-PATENT-3,260,204	c 31	N71-15692 *	#
US-PATENT-3,135,090	c 28	N70-38505 *	#	US-PATENT-3,198,994	c 26	N73-28710 *	#	US-PATENT-3,260,326	c 11	N71-28779 *	#
US-PATENT-3,136,123	c 28	N70-38199 *	#	US-PATENT-3,199,340	c 14	N70-34799 *	#	US-PATENT-3,261,210	c 14	N71-15969 *	#
US-PATENT-3,138,837	c 17	N70-38198 *	#	US-PATENT-3,199,343	c 11	N70-34844 *	#	US-PATENT-3,262,025	c 15	N73-32361 *	#
US-PATENT-3,139,725	c 28	N70-38645 *	#	US-PATENT-3,199,931	c 15	N70-34664 *	#	US-PATENT-3,262,186	c 15	N71-16052 *	#
US-PATENT-3,140,728	c 15	N70-36908 *	#	US-PATENT-3,200,706	c 03	N70-34667 *	#	US-PATENT-3,262,262	c 28	N71-15661 *	#
US-PATENT-3,141,340	c 11	N70-38196 *	#	US-PATENT-3,201,560	c 33	N70-34540 *	#	US-PATENT-3,262,351	c 15	N71-15622 *	#
US-PATENT-3,141,769	c 28	N70-38197 *	#	US-PATENT-3,201,635	c 25	N70-34661 *	#	US-PATENT-3,262,365	c 31	N71-15975 *	#
US-PATENT-3,141,932	c 03	N70-38713 *	#	US-PATENT-3,201,980	c 14	N70-40203 *	#	US-PATENT-3,262,395	c 15	N71-30028 *	#
US-PATENT-3,143,321	c 15	N70-34850 *	#	US-PATENT-3,202,381	c 31	N70-34176 *	#	US-PATENT-3,262,518	c 05	N71-11199 *	#
US-PATENT-3,143,651	c 14	N70-40240 *	#	US-PATENT-3,202,398	c 28	N71-28928 *	#	US-PATENT-3,262,655	c 31	N71-15663 *	#
US-PATENT-3,144,219	c 31	N70-38676 *	#	US-PATENT-3,202,844	c 03	N70-34134 *	#	US-PATENT-3,262,694	c 44	N79-19447 *	#
US-PATENT-3,144,999	c 02	N70-34856 *	#	US-PATENT-3,202,915	c 14	N70-38602 *	#	US-PATENT-3,263,016	c 33	N71-15625 *	#
US-PATENT-3,145,874	c 11	N71-15960 *	#	US-PATENT-3,202,998	c 31	N70-34135 *	#	US-PATENT-3,263,171	c 09	N71-13530 *	#
US-PATENT-3,147,422	c 09	N70-38712 *	#	US-PATENT-3,204,447	c 14	N70-34156 *	#	US-PATENT-3,263,610	c 15	N71-13789 *	#
US-PATENT-3,149,897	c 09	N70-36494 *	#	US-PATENT-3,204,889	c 03	N70-34157 *	#	US-PATENT-3,264,135	c 15	N71-16075 *	#
US-PATENT-3,150,329	c 09	N70-38995 *	#	US-PATENT-3,205,361	c 14	N70-34158 *	#	US-PATENT-3,270,441	c 11	N71-16028 *	#
US-PATENT-3,150,387	c 03	N70-36778 *	#	US-PATENT-3,205,362	c 21	N70-35089 *	#	US-PATENT-3,270,499	c 28	N71-15660 *	#
US-PATENT-3,152,344	c 05	N70-36493 *	#	US-PATENT-3,205,381	c 03	N70-35408 *	#	US-PATENT-3,270,501	c 31	N71-15647 *	#
US-PATENT-3,155,992	c 05	N70-34857 *	#	US-PATENT-3,206,141	c 21	N70-35395 *	#	US-PATENT-3,270,503	c 33	N71-15623 *	#
US-PATENT-3,156,090	c 28	N70-37245 *	#	US-PATENT-3,206,897	c 18	N75-27040 *	#	US-PATENT-3,270,504	c 31	N71-15637 *	#
US-PATENT-3,157,529	c 18	N70-36400 *	#	US-PATENT-3,208,215	c 28	N70-34162 *	#	US-PATENT-3,270,505	c 21	N71-15582 *	#
US-PATENT-3,158,172	c 15	N70-34817 *	#	US-PATENT-3,208,272	c 14	N70-34161 *	#	US-PATENT-3,270,512	c 15	N71-15906 *	#
US-PATENT-3,158,336	c 31	N70-36410 *	#	US-PATENT-3,208,694	c 02	N70-34160 *	#	US-PATENT-3,270,565	c 14	N71-30265 *	#
US-PATENT-3,158,766	c 03	N70-36803 *	#	US-PATENT-3,208,707	c 31	N70-34159 *	#	US-PATENT-3,270,756	c 15	N71-15967 *	#
US-PATENT-3,159,967	c 28	N70-36802 *	#	US-PATENT-3,209,360	c 09	N70-35219 *	#	US-PATENT-3,270,802	c 33	N71-24876 *	#
US-PATENT-3,160,825	c 14	N70-35220 *	#	US-PATENT-3,209,361	c 09	N70-35425 *	#	US-PATENT-3,270,835	c 28	N70-41582 *	#
US-PATENT-3,160,950	c 15	N70-36409 *	#	US-PATENT-3,210,927	c 28	N70-34175 *	#	US-PATENT-3,270,908	c 31	N71-15664 *	#
US-PATENT-3,162,012	c 15	N70-36411 *	#	US-PATENT-3,211,169	c 15	N70-35087 *	#	US-PATENT-3,270,985	c 21	N71-15583 *	#
US-PATENT-3,163,935	c 14	N70-36907 *	#	US-PATENT-3,211,414	c 15	N70-35407 *	#	US-PATENT-3,270,986	c 05	N71-12336 *	#
US-PATENT-3,164,222	c 15	N70-34861 *	#	US-PATENT-3,212,096	c 09	N70-35382 *	#	US-PATENT-3,270,988	c 01	N71-13410 *	#
US-PATENT-3,164,369	c 15	N70-36412 *	#	US-PATENT-3,212,259	c 28	N71-29153 *	#	US-PATENT-3,270,989	c 02	N71-11041 *	#
US-PATENT-3,165,356	c 05	N70-35152 *	#	US-PATENT-3,212,325	c 14	N70-34705 *	#	US-PATENT-3,270,990	c 28	N71-15563 *	#
US-PATENT-3,166,834	c 15	N70-36901 *	#	US-PATENT-3,212,564	c 33	N71-29052 *	#	US-PATENT-3,271,140	c 17	N71-15644 *	#
US-PATENT-3,167,426	c 17	N70-36616 *	#	US-PATENT-3,215,313	c 31	N79-21225 *	#	US-PATENT-3,271,181	c 15	N71-16077 *	#
US-PATENT-3,168,827	c 14	N70-36807 *	#	US-PATENT-3,215,572	c 12	N70-40124 *	#	US-PATENT-3,271,532	c 09	N71-16089 *	#
US-PATENT-3,169,001	c 02	N70-36825 *	#	US-PATENT-3,216,007	c 16	N71-28963 *	#	US-PATENT-3,271,558	c 15	N71-15871 *	#
US-PATENT-3,169,613	c 15	N70-36947 *	#	US-PATENT-3,217,624	c 08	N70-40125 *	#	US-PATENT-3,271,594	c 10	N71-28739 *	#
US-PATENT-3,169,725	c 31	N70-34296 *	#	US-PATENT-3,218,479	c 14	N70-40273 *	#	US-PATENT-3,271,620	c 09	N71-12540 *	#
US-PATENT-3,170,286	c 15	N70-36535 *	#	US-PATENT-3,218,547	c 09	N70-40272 *	#	US-PATENT-3,271,637	c 26	N71-18064 *	#
US-PATENT-3,170,290	c 28	N70-36910 *	#	US-PATENT-3,218,850	c 09	N70-40123 *	#	US-PATENT-3,271,649	c 10	N71-16030 *	#
US-PATENT-3,170,295	c 27	N71-28929 *	#	US-PATENT-3,219,250	c 14	N70-40400 *	#	US-PATENT-3,273,094	c 23	N71-29049 *	#
US-PATENT-3,170,324	c 14	N70-36824 *	#	US-PATENT-3,219,365	c 15	N70-40204 *	#	US-PATENT-3,273,355	c 33	N71-17897 *	#
US-PATENT-3,170,471	c 32	N70-36536 *	#	US-PATENT-3,219,997	c 15	N71-28937 *	#	US-PATENT-3,273,381	c 32	N71-17645 *	#
US-PATENT-3,170,486	c 15	N70-36492 *	#	US-PATENT-3,219,997	c 08	N73-28045 *	#	US-PATENT-3,273,388	c 09	N71-16086 *	#
US-PATENT-3,170,605	c 15	N70-38996 *	#	US-PATENT-3,220,004	c 30	N70-40309 *	#	US-PATENT-3,273,392	c 23	N71-17802 *	#
US-PATENT-3,170,657	c 02	N70-34858 *	#	US-PATENT-3,221,547	c 14	N70-40201 *	#	US-PATENT-3,273,399	c 12	N71-24692 *	#
US-PATENT-3,170,660	c 02	N70-36804 *	#	US-PATENT-3,221,549	c 14	N70-40157 *	#	US-PATENT-3,274,304	c 26	N71-17818 *	#
US-PATENT-3,170,773	c 17	N70-33288 *	#	US-PATENT-3,223,374	c 15	N70-40156 *	#	US-PATENT-3,275,794	c 37	N75-27376 *	#
US-PATENT-3,171,060	c 25	N70-33267 *	#	US-PATENT-3,224,001	c 07	N70-40063 *	#	US-PATENT-3,276,251	c 11	N71-15926 *	#
US-PATENT-3,171,081	c 14	N70-35666 *	#	US-PATENT-3,224,173	c 15	N70-40062 *	#	US-PATENT-3,276,376	c 31	N71-17629 *	#
US-PATENT-3,172,097	c 08	N70-35423 *	#	US-PATENT-3,224,263	c 15	N70-40180 *	#	US-PATENT-3,276,602	c 32	N71-17609 *	#
US-PATENT-3,173,246	c 28	N70-33265 *	#	US-PATENT-3,224,336	c 30	N70-40353 *	#	US-PATENT-3,276,679	c 15	N71-16079 *	#
US-PATENT-3,173,251	c 28	N70-33375 *	#	US-PATENT-3,224,337	c 09	N79-21084 *	#	US-PATENT-3,276,722	c 02	N71-16087 *	#
US-PATENT-3,173,801	c 32	N79-19186 *	#	US-PATENT-3,228,492	c 15	N70-40354 *	#	US-PATENT-3,276,726	c 31	N71-16081 *	#
US-PATENT-3,174,278	c 25	N70-36946 *	#	US-PATENT-3,228,558	c 14	N70-40233 *	#	US-PATENT-3,276,865	c 17	N71-16025 *	#
US-PATENT-3,174,279	c 28	N70-36806 *	#	US-PATENT-3,229,099	c 14	N70-40238 *	#	US-PATENT-3,276,866	c 17	N71-16026 *	#
US-PATENT-3,174,827	c 26	N70-36805 *	#	US-PATENT-3,229,102	c 14	N70-40239 *	#	US-PATENT-3,276,946	c 23	N71-15978 *	#
US-PATENT-3,175,789	c 31	N70-36654 *	#	US-PATENT-3,229,139	c 28	N70-39925 *	#	US-PATENT-3,277,314	c 10	N71-16042 *	#
US-PATENT-3,176,222	c 14	N70-36618 *	#	US-PATENT-3,229,155	c 25	N70-41628 *	#	US-PATENT-3,277,366	c 10	N71-16057 *	#
US-PATENT-3,176,499	c 14	N70-35368 *	#	US-PATENT-3,229,463	c 28	N70-39931 *	#	US-PATENT-3,277,373	c 07	N71-16088 *	#
US-PATENT-3,176,933	c 33	N70-36617 *	#	US-PATENT-3,229,568	c 14	N70-40003 *	#	US-PATENT-3,277,375	c 07	N71-11284 *	#
US-PATENT-3,177,933	c 33	N70-36847 *	#	US-PATENT-3,229,636	c 03	N70-39930 *	#	US-PATENT-3,277,486	c 10	N71-16058 *	#
US-PATENT-3,178,883	c 21	N70-36938 *	#	US-PATENT-3,229,682	c 09	N70-40234 *	#	US-PATENT-3,277,486	c 31	N71-10747 *	#
US-PATENT-3,180,264	c 33	N70-36846 *	#	US-PATENT-3,229,689	c 05	N70-39922 *	#	US-PATENT-3,279,193	c 33	N71-28852 *	#
US-PATENT-3,180,587	c 21	N70-36943 *	#	US-PATENT-3,229,884	c 15	N70-39924 *	#	US-PATENT-3,281,558	c 33	N75-27249 *	#
US-PATENT-3,181,821	c 31	N70-36845 *	#	US-PATENT-3,229,905	c 04	N78-17031 *	#	US-PATENT-3,281,963	c 11	N71-10746 *	#
US-PATENT-3,182,496	c 11	N70-36913 *	#	US-PATENT-3,229,930	c 30	N70-40016 *	#	US-PATENT-3,281,964	c 11	N71-10776 *	#
US-PATENT-3,183,506	c 07	N70-36911 *	#	US-PATENT-3,230,053	c 26	N70-40015 *	#	US-PATENT-3,281,965	c 11	N71-10748 *	#
US-PATENT-3,185,023	c 14	N70-34298 *	#	US-PATENT-3,233,862	c 37	N79-33469 *	#	US-PATENT-3,282,035	c 11	N71-10777 *	#
US-PATENT-3,187,583	c 11	N70-38675 *	#	US-PATENT-3,236,066	c 15	N71-28959 *	#	US-PATENT-3,282,091	c 14	N71-10781 *	#
US-PATENT-3,188,472	c 21	N70-34297 *	#	US-PATENT-3,237,253	c 15	N71-15966 *	#	US-PATENT-3,282,532	c 31	N71-17729 *	#
US-PATENT-3,188,844	c 15	N70-34249 *	#	US-PATENT-3,238,345	c 11	N71-15925 *	#	US-PATENT-3,282,541	c 31	N71-24750 *	#
US-PATENT-3,189,299	c 21	N70-34295 *	#	US-PATENT-3,238,413	c 25	N71-29184 *	#	US-PATENT-3,282,739	c 03	N71-11053 *	#
US-PATENT-3,189,535	c 15	N70-34967 *	#	US-PATENT-3,238,715	c 28	N71-14043 *	#	US-PATENT-3,282,740	c 03	N71-11051 *	#
US-PATENT-3,1											

US-PATENT-3,286,957	c 02	N70-41863 * #	US-PATENT-3,317,641	c 15	N71-10672 * #	US-PATENT-3,347,465	c 18	N71-21068 *
US-PATENT-3,287,031	c 15	N70-41808 * #	US-PATENT-3,317,731	c 21	N71-10771 * #	US-PATENT-3,347,466	c 28	N71-21493 *
US-PATENT-3,287,174	c 03	N70-41864 * #	US-PATENT-3,317,751	c 09	N71-10673 * #	US-PATENT-3,347,531	c 15	N71-21177 *
US-PATENT-3,287,496	c 14	N70-41807 * #	US-PATENT-3,317,797	c 10	N71-28793 * #	US-PATENT-3,347,665	c 17	N71-20743 *
US-PATENT-3,287,582	c 28	N70-41576 * #	US-PATENT-3,317,832	c 09	N71-10659 * #	US-PATENT-3,348,048	c 14	N71-21088 *
US-PATENT-3,287,640	c 09	N70-41655 * #	US-PATENT-3,318,093	c 15	N71-10658 * #	US-PATENT-3,348,053	c 10	N71-20782 *
US-PATENT-3,287,660	c 16	N70-41578 * #	US-PATENT-3,318,096	c 28	N71-28849 * #	US-PATENT-3,348,152	c 10	N71-20841 *
US-PATENT-3,287,725	c 07	N70-41680 * #	US-PATENT-3,318,343	c 15	N71-10809 * #	US-PATENT-3,348,218	c 10	N71-29135 *
US-PATENT-3,289,205	c 07	N70-41678 * #	US-PATENT-3,318,622	c 15	N71-10799 * #	US-PATENT-3,349,814	c 33	N71-20834 *
US-PATENT-3,295,360	c 14	N70-41681 * #	US-PATENT-3,319,175	c 09	N71-10798 * #	US-PATENT-3,350,033	c 14	N71-21082 *
US-PATENT-3,295,366	c 11	N70-41677 * #	US-PATENT-3,319,979	c 15	N71-10782 * #	US-PATENT-3,350,034	c 31	N71-21064 *
US-PATENT-3,295,377	c 14	N70-41682 * #	US-PATENT-3,320,669	c 15	N70-42017 * #	US-PATENT-3,350,643	c 07	N71-20791 *
US-PATENT-3,295,386	c 05	N70-41581 * #	US-PATENT-3,321,034	c 15	N70-42034 * #	US-PATENT-3,350,671	c 09	N71-20842 *
US-PATENT-3,295,512	c 03	N70-41580 * #	US-PATENT-3,321,154	c 31	N70-42075 * #	US-PATENT-3,350,926	c 14	N71-21091 *
US-PATENT-3,295,545	c 15	N70-41646 * #	US-PATENT-3,321,157	c 02	N70-42016 * #	US-PATENT-3,352,157	c 14	N71-21072 *
US-PATENT-3,295,556	c 32	N70-41579 * #	US-PATENT-3,321,159	c 31	N70-42015 * #	US-PATENT-3,352,192	c 15	N71-21489 *
US-PATENT-3,295,594	c 54	N82-29002 * #	US-PATENT-3,321,570	c 15	N70-41960 * #	US-PATENT-3,352,774	c 37	N80-14395 * #
US-PATENT-3,295,684	c 28	N70-41447 * #	US-PATENT-3,321,628	c 10	N70-41991 * #	US-PATENT-3,353,359	c 28	N71-20942 *
US-PATENT-3,295,699	c 32	N70-41367 * #	US-PATENT-3,321,645	c 10	N70-42032 * #	US-PATENT-3,354,098	c 06	N71-20717 *
US-PATENT-3,295,782	c 14	N70-41647 * #	US-PATENT-3,321,922	c 28	N70-41992 * #	US-PATENT-3,354,320	c 23	N71-21821 *
US-PATENT-3,295,790	c 31	N70-41588 * #	US-PATENT-3,323,356	c 15	N70-41993 * #	US-PATENT-3,354,462	c 14	N71-21006 *
US-PATENT-3,295,798	c 02	N70-41589 * #	US-PATENT-3,323,362	c 14	N70-41994 * #	US-PATENT-3,355,861	c 18	N71-20742 *
US-PATENT-3,295,808	c 15	N70-41310 * #	US-PATENT-3,323,370	c 05	N70-42000 * #	US-PATENT-3,355,948	c 14	N71-21007 *
US-PATENT-3,296,060	c 18	N70-41583 * #	US-PATENT-3,323,386	c 03	N70-42073 * #	US-PATENT-3,356,320	c 05	N71-20718 *
US-PATENT-3,296,526	c 14	N70-41332 * #	US-PATENT-3,323,408	c 14	N70-41955 * #	US-PATENT-3,356,549	c 15	N71-21404 *
US-PATENT-3,296,531	c 07	N70-41331 * #	US-PATENT-3,323,484	c 14	N70-42074 * #	US-PATENT-3,356,885	c 25	N71-20747 *
US-PATENT-3,298,175	c 33	N71-29053 *	US-PATENT-3,323,967	c 15	N70-42033 * #	US-PATENT-3,356,917	c 33	N79-21265 * #
US-PATENT-3,298,182	c 28	N70-41311 * #	US-PATENT-3,324,370	c 09	N71-10677 * #	US-PATENT-3,357,024	c 12	N71-20815 *
US-PATENT-3,298,221	c 14	N70-41330 * #	US-PATENT-3,324,388	c 14	N71-10797 * #	US-PATENT-3,357,093	c 15	N71-21078 *
US-PATENT-3,298,285	c 32	N70-41370 * #	US-PATENT-3,324,423	c 07	N71-10676 * #	US-PATENT-3,357,237	c 33	N71-21586 *
US-PATENT-3,298,362	c 05	N70-41329 * #	US-PATENT-3,324,659	c 28	N71-10574 * #	US-PATENT-3,357,862	c 03	N71-20904 *
US-PATENT-3,298,582	c 14	N71-28935 *	US-PATENT-3,325,229	c 15	N71-10617 * #	US-PATENT-3,358,264	c 09	N71-20851 *
US-PATENT-3,299,364	c 16	N71-15550 *	US-PATENT-3,325,723	c 10	N71-10578 * #	US-PATENT-3,359,046	c 15	N71-20739 *
US-PATENT-3,299,431	c 07	N71-28979 *	US-PATENT-3,325,749	c 09	N71-28810 *	US-PATENT-3,359,132	c 09	N71-20705 *
US-PATENT-3,299,913	c 15	N71-15918 *	US-PATENT-3,326,043	c 14	N71-10500 *	US-PATENT-3,359,409	c 07	N71-21476 *
US-PATENT-3,300,162	c 31	N70-41373 * #	US-PATENT-3,326,407	c 15	N71-10577 * #	US-PATENT-3,359,435	c 15	N71-21311 *
US-PATENT-3,300,731	c 07	N70-41372 * #	US-PATENT-3,327,298	c 08	N71-21042 *	US-PATENT-3,359,555	c 09	N71-20864 *
US-PATENT-3,300,847	c 15	N70-41371 * #	US-PATENT-3,327,991	c 15	N71-21234 *	US-PATENT-3,359,568	c 54	N78-17680 * #
US-PATENT-3,300,949	c 05	N70-41297 * #	US-PATENT-3,328,624	c 28	N71-28850 *	US-PATENT-3,359,819	c 15	N71-21744 *
US-PATENT-3,300,981	c 28	N70-41275 * #	US-PATENT-3,329,735	c 21	N71-21708 *	US-PATENT-3,359,855	c 23	N71-21882 *
US-PATENT-3,301,046	c 14	N70-41366 * #	US-PATENT-3,329,918	c 09	N71-21583 *	US-PATENT-3,360,798	c 09	N71-20658 *
US-PATENT-3,301,315	c 09	N70-41717 * #	US-PATENT-3,330,052	c 11	N71-21474 *	US-PATENT-3,360,864	c 14	N71-24693 *
US-PATENT-3,301,507	c 31	N70-41631 * #	US-PATENT-3,330,082	c 15	N71-21531 *	US-PATENT-3,360,972	c 15	N71-24833 *
US-PATENT-3,301,511	c 02	N70-41630 * #	US-PATENT-3,330,510	c 31	N71-28851 *	US-PATENT-3,360,980	c 14	N71-20741 *
US-PATENT-3,301,578	c 15	N70-41629 * #	US-PATENT-3,330,549	c 15	N71-21530 *	US-PATENT-3,360,988	c 09	N71-20816 *
US-PATENT-3,302,023	c 14	N70-41676 * #	US-PATENT-3,331,071	c 07	N71-28900 *	US-PATENT-3,361,045	c 15	N71-21060 *
US-PATENT-3,302,040	c 09	N70-41675 * #	US-PATENT-3,331,246	c 11	N71-21475 *	US-PATENT-3,361,067	c 26	N71-21824 *
US-PATENT-3,302,569	c 15	N70-41679 * #	US-PATENT-3,331,255	c 15	N71-21529 *	US-PATENT-3,361,400	c 15	N71-20813 *
US-PATENT-3,302,633	c 05	N70-41819 * #	US-PATENT-3,331,404	c 12	N71-21089 *	US-PATENT-3,361,666	c 15	N71-21403 *
US-PATENT-3,302,662	c 15	N70-41811 * #	US-PATENT-3,331,951	c 21	N71-21688 *	US-PATENT-3,361,985	c 10	N71-20852 *
US-PATENT-3,302,960	c 15	N70-41829 * #	US-PATENT-3,333,152	c 25	N71-21693 *	US-PATENT-3,364,311	c 07	N71-20814 *
US-PATENT-3,303,304	c 14	N70-41812 * #	US-PATENT-3,333,788	c 31	N71-21881 *	US-PATENT-3,364,366	c 09	N71-28926 *
US-PATENT-3,304,028	c 31	N70-41855 * #	US-PATENT-3,334,225	c 14	N73-32325 * #	US-PATENT-3,364,578	c 14	N71-21079 *
US-PATENT-3,304,718	c 28	N70-41922 * #	US-PATENT-3,336,725	c 15	N71-21528 *	US-PATENT-3,364,631	c 32	N71-21045 *
US-PATENT-3,304,724	c 31	N70-41948 * #	US-PATENT-3,336,748	c 25	N71-21694 *	US-PATENT-3,364,777	c 15	N71-20740 *
US-PATENT-3,304,729	c 31	N70-41871 * #	US-PATENT-3,336,754	c 28	N71-22983 *	US-PATENT-3,364,813	c 09	N71-22999 *
US-PATENT-3,304,768	c 32	N70-42003 * #	US-PATENT-3,337,004	c 14	N71-23092 *	US-PATENT-3,365,657	c 10	N71-22961 *
US-PATENT-3,304,773	c 14	N70-41957 * #	US-PATENT-3,337,279	c 05	N71-23080 *	US-PATENT-3,365,665	c 14	N71-23037 *
US-PATENT-3,304,799	c 03	N70-41954 * #	US-PATENT-3,337,315	c 18	N71-23088 *	US-PATENT-3,365,897	c 33	N71-28892 *
US-PATENT-3,304,865	c 28	N70-41967 * #	US-PATENT-3,337,337	c 18	N71-22894 *	US-PATENT-3,365,930	c 14	N71-22964 *
US-PATENT-3,305,415	c 27	N70-41897 * #	US-PATENT-3,337,790	c 12	N71-20896 *	US-PATENT-3,365,941	c 14	N71-22965 *
US-PATENT-3,305,636	c 08	N70-41961 * #	US-PATENT-3,337,812	c 09	N71-23097 *	US-PATENT-3,366,886	c 10	N71-22962 *
US-PATENT-3,305,801	c 10	N70-41964 * #	US-PATENT-3,339,404	c 14	N71-22765 *	US-PATENT-3,366,894	c 10	N71-23084 *
US-PATENT-3,305,810	c 09	N70-41929 * #	US-PATENT-3,339,863	c 14	N71-23040 *	US-PATENT-3,367,114	c 28	N71-23081 *
US-PATENT-3,305,861	c 21	N70-41930 * #	US-PATENT-3,340,099	c 03	N71-23006 *	US-PATENT-3,367,121	c 15	N71-23025 *
US-PATENT-3,305,870	c 07	N71-15907 *	US-PATENT-3,340,395	c 14	N71-23041 *	US-PATENT-3,367,182	c 33	N71-23085 *
US-PATENT-3,306,134	c 37	N78-17385 * #	US-PATENT-3,340,397	c 11	N71-23042 *	US-PATENT-3,367,224	c 15	N71-22798 *
US-PATENT-3,308,848	c 12	N71-16031 *	US-PATENT-3,340,430	c 09	N71-22796 *	US-PATENT-3,367,271	c 15	N71-24042 *
US-PATENT-3,309,012	c 33	N71-17610 *	US-PATENT-3,340,532	c 10	N71-21473 *	US-PATENT-3,367,308	c 11	N71-22875 *
US-PATENT-3,309,961	c 15	N71-16078 *	US-PATENT-3,340,599	c 09	N71-23027 *	US-PATENT-3,367,445	c 15	N71-23048 *
US-PATENT-3,310,054	c 08	N71-15908 *	US-PATENT-3,340,713	c 15	N71-22723 *	US-PATENT-3,368,486	c 15	N71-22874 *
US-PATENT-3,310,138	c 12	N71-16894 *	US-PATENT-3,340,732	c 02	N71-23007 *	US-PATENT-3,369,222	c 08	N71-22707 *
US-PATENT-3,310,256	c 31	N71-17679 *	US-PATENT-3,341,151	c 31	N71-23009 *	US-PATENT-3,369,223	c 08	N71-22710 *
US-PATENT-3,310,258	c 31	N71-17691 *	US-PATENT-3,341,169	c 15	N71-23024 *	US-PATENT-3,369,564	c 15	N71-23051 *
US-PATENT-3,310,261	c 02	N71-11038 * #	US-PATENT-3,341,708	c 16	N71-22895 *	US-PATENT-3,370,039	c 06	N71-28807 *
US-PATENT-3,310,262	c 02	N71-12243 * #	US-PATENT-3,341,778	c 07	N71-23098 *	US-PATENT-3,372,588	c 33	N71-29051 *
US-PATENT-3,310,443	c 24	N71-10560 * #	US-PATENT-3,341,977	c 15	N71-22705 *	US-PATENT-3,373,016	c 26	N75-27127 * #
US-PATENT-3,310,699	c 14	N73-32324 * #	US-PATENT-3,342,055	c 15	N71-22797 *	US-PATENT-3,373,069	c 15	N71-23052 *
US-PATENT-3,310,765	c 33	N79-21264 * #	US-PATENT-3,342,066	c 11	N71-23030 *	US-PATENT-3,373,404	c 08	N71-22749 *
US-PATENT-3,310,978	c 14	N71-10616 * #	US-PATENT-3,342,653	c 15	N71-22713 *	US-PATENT-3,373,430	c 09	N71-22888 *
US-PATENT-3,310,980	c 11	N71-10604 * #	US-PATENT-3,343,180	c 05	N71-23159 *	US-PATENT-3,373,431	c 07	N71-22750 *
US-PATENT-3,311,315	c 07	N71-10609 * #	US-PATENT-3,343,189	c 05	N71-22748 *	US-PATENT-3,373,640	c 15	N71-22722 *
US-PATENT-3,311,502	c 03	N71-10608 * #	US-PATENT-3,344,340	c 09	N71-21449 *	US-PATENT-3,373,914	c 15	N71-23050 *
US-PATENT-3,311,510	c 26	N71-10607 * #	US-PATENT-3,344,425	c 10	N71-21483 *	US-PATENT-3,374,339	c 08	N71-22897 *
US-PATENT-3,311,571	c 27	N79-21190 * #	US-PATENT-3,345,820	c 28	N71-21822 *	US-PATENT-3,374,366	c 09	N71-23015 *
US-PATENT-3,311,748	c 21	N71-10678 * #	US-PATENT-3,345,822	c 27	N71-21819 *	US-PATENT-3,374,830	c 33	N71-22890 *
US-PATENT-3,311,772	c 09	N71-10618 * #	US-PATENT-3,345,840	c 15	N71-21536 *	US-PATENT-3,375,451	c 10	N71-22986 *
US-PATENT-3,311,832	c 07	N71-10775 * #	US-PATENT-3,345,866	c 11	N71-21481 *	US-PATENT-3,375,479	c 15	N71-23049 *
US-PATENT-3,312,101	c 14	N71-10774 * #	US-PATENT-3,346,419	c 03	N71-20895 *	US-PATENT-3,375,712	c 35	N75-29382 * #
US-PATENT-3,313,204	c 28	N73-24783 * #	US-PATENT-3,346,442	c 18	N71-21651 *	US-PATENT-3,375,885	c 15	N73-32362 * #
US-PATENT-3,316,716	c 28	N71-10780 * #	US-PATENT-3,346,515	c 06	N71-20905 *	US-PATENT-3,376,730	c 14	N71-22995 *
US-PATENT-3,316,752	c 14	N71-10779 * #	US-PATENT-3,346,724	c 15	N71-21179 *	US-PATENT-3,377,208	c 14	N71-23039 *
US-PATENT-3,316,991	c 14	N71-10773 * #	US-PATENT-3,346,806	c 14	N71-21090 *	US-PATENT-3,377,845	c 14	N71-22992 *
US-PATENT-3,317,180	c 15	N71-10778 * #	US-PATENT-3,346,929	c 15	N71-21076 *	US-PATENT-3,378,315	c 15	N71-22997 *
US-PATENT-3,317,341	c 18	N71-10772 * #	US-PATENT-3,347,046	c 33	N71-21507 *	US-PATENT-3,378,657	c 33	N79-33392 * #
US-PATENT-3,317,352	c 03	N71-10728 * #	US-PATENT-3,347,309</					

US-PATENT-3,378,892	c 15	N71-22994 *	US-PATENT-3,412,961	c 32	N71-23971 *	US-PATENT-3,428,812	c 14	N69-27485 *	#
US-PATENT-3,379,052	c 14	N73-23231 *	US-PATENT-3,413,115	c 17	N71-23365 *	US-PATENT-3,428,847	c 15	N69-24266 *	#
US-PATENT-3,379,064	c 14	N71-23093 *	US-PATENT-3,413,393	c 17	N71-29137 *	US-PATENT-3,428,910	c 09	N69-24330 *	#
US-PATENT-3,379,330	c 23	N71-22881 *	US-PATENT-3,413,510	c 09	N71-23190 *	US-PATENT-3,428,919	c 07	N69-24334 *	#
US-PATENT-3,379,885	c 09	N71-22985 *	US-PATENT-3,413,536	c 03	N71-24605 *	US-PATENT-3,428,923	c 07	N69-27462 *	#
US-PATENT-3,379,974	c 14	N71-22990 *	US-PATENT-3,414,012	c 09	N71-23191 *	US-PATENT-3,429,058	c 12	N69-39988 *	#
US-PATENT-3,380,042	c 07	N71-23001 *	US-PATENT-3,414,358	c 14	N71-23175 *	US-PATENT-3,429,177	c 06	N69-39733 *	#
US-PATENT-3,380,049	c 10	N71-23099 *	US-PATENT-3,415,032	c 15	N71-23256 *	US-PATENT-3,429,477	c 15	N69-27502 *	#
US-PATENT-3,381,339	c 06	N71-22975 *	US-PATENT-3,415,069	c 15	N71-24044 *	US-PATENT-3,429,756	c 76	N79-21910 *	#
US-PATENT-3,381,517	c 09	N71-22988 *	US-PATENT-3,415,116	c 14	N71-23790 *	US-PATENT-3,430,063	c 09	N69-27500 *	#
US-PATENT-3,381,527	c 15	N71-22878 *	US-PATENT-3,415,126	c 21	N71-23289 *	US-PATENT-3,430,115	c 09	N69-24318 *	#
US-PATENT-3,381,527	c 15	N71-22878 *	US-PATENT-3,415,156	c 15	N71-24043 *	US-PATENT-3,430,131	c 24	N71-20518 *	#
US-PATENT-3,381,569	c 21	N71-22880 *	US-PATENT-3,415,643	c 17	N71-23248 *	US-PATENT-3,430,182	c 14	N69-27431 *	#
US-PATENT-3,381,778	c 15	N71-22877 *	US-PATENT-3,416,106	c 09	N71-24808 *	US-PATENT-3,430,227	c 08	N71-19687 *	#
US-PATENT-3,382,082	c 18	N71-22998 *	US-PATENT-3,416,274	c 31	N71-24035 *	US-PATENT-3,430,237	c 07	N69-39974 *	#
US-PATENT-3,382,105	c 03	N71-29044 *	US-PATENT-3,416,939	c 18	N71-24183 *	US-PATENT-3,430,460	c 15	N69-27505 *	#
US-PATENT-3,382,107	c 03	N71-22974 *	US-PATENT-3,416,975	c 17	N71-23828 *	US-PATENT-3,430,902	c 14	N69-27486 *	#
US-PATENT-3,382,714	c 14	N71-22989 *	US-PATENT-3,416,988	c 15	N71-24164 *	US-PATENT-3,430,909	c 11	N69-27466 *	#
US-PATENT-3,383,461	c 07	N71-23026 *	US-PATENT-3,417,247	c 14	N71-23797 *	US-PATENT-3,430,937	c 15	N69-27483 *	#
US-PATENT-3,383,524	c 10	N71-23029 *	US-PATENT-3,417,266	c 09	N71-23270 *	US-PATENT-3,430,942	c 15	N69-27504 *	#
US-PATENT-3,383,903	c 14	N71-23036 *	US-PATENT-3,417,298	c 10	N71-23271 *	US-PATENT-3,431,149	c 14	N69-27459 *	#
US-PATENT-3,383,922	c 14	N71-22752 *	US-PATENT-3,417,316	c 14	N71-23174 *	US-PATENT-3,431,397	c 15	N69-27871 *	#
US-PATENT-3,384,016	c 31	N71-23008 *	US-PATENT-3,417,321	c 09	N71-23316 *	US-PATENT-3,431,460	c 09	N71-23189 *	#
US-PATENT-3,384,075	c 05	N71-22896 *	US-PATENT-3,417,332	c 07	N71-23405 *	US-PATENT-3,431,559	c 09	N69-24333 *	#
US-PATENT-3,384,111	c 15	N71-22706 *	US-PATENT-3,417,399	c 30	N71-23723 *	US-PATENT-3,432,730	c 09	N69-27422 *	#
US-PATENT-3,384,324	c 33	N71-22792 *	US-PATENT-3,417,400	c 07	N71-28809 *	US-PATENT-3,433,015	c 28	N71-20330 *	#
US-PATENT-3,384,820	c 09	N71-23021 *	US-PATENT-3,419,329	c 14	N71-23268 *	US-PATENT-3,433,079	c 14	N69-27503 *	#
US-PATENT-3,384,895	c 07	N71-22984 *	US-PATENT-3,419,363	c 18	N71-23710 *	US-PATENT-3,433,662	c 14	N71-20461 *	#
US-PATENT-3,385,036	c 15	N71-22721 *	US-PATENT-3,419,384	c 17	N73-28573 *	US-PATENT-3,433,818	c 06	N71-23230 *	#
US-PATENT-3,386,337	c 15	N71-22799 *	US-PATENT-3,419,433	c 03	N71-23187 *	US-PATENT-3,433,909	c 10	N71-23663 *	#
US-PATENT-3,386,685	c 31	N71-22968 *	US-PATENT-3,419,531	c 27	N79-21191 *	US-PATENT-3,433,953	c 14	N69-27484 *	#
US-PATENT-3,386,686	c 31	N71-22969 *	US-PATENT-3,419,537	c 06	N71-23500 *	US-PATENT-3,433,960	c 16	N69-27491 *	#
US-PATENT-3,387,149	c 14	N71-22993 *	US-PATENT-3,419,827	c 09	N71-23548 *	US-PATENT-3,433,961	c 14	N69-27432 *	#
US-PATENT-3,387,218	c 37	N78-17386 *	US-PATENT-3,419,964	c 14	N69-21363 *	US-PATENT-3,434,033	c 09	N69-39984 *	#
US-PATENT-3,388,258	c 14	N71-22996 *	US-PATENT-3,419,992	c 14	N71-23401 *	US-PATENT-3,434,037	c 10	N71-26414 *	#
US-PATENT-3,388,387	c 10	N71-23033 *	US-PATENT-3,420,069	c 15	N69-21465 *	US-PATENT-3,434,050	c 09	N71-20569 *	#
US-PATENT-3,388,590	c 14	N71-23087 *	US-PATENT-3,420,223	c 05	N69-21925 *	US-PATENT-3,434,064	c 09	N69-39986 *	#
US-PATENT-3,389,017	c 15	N71-23022 *	US-PATENT-3,420,225	c 05	N69-21473 *	US-PATENT-3,434,855	c 18	N71-24184 *	#
US-PATENT-3,389,260	c 14	N71-23269 *	US-PATENT-3,420,253	c 12	N69-21466 *	US-PATENT-3,434,885	c 03	N71-20492 *	#
US-PATENT-3,389,346	c 10	N71-28859 *	US-PATENT-3,420,338	c 15	N71-26243 *	US-PATENT-3,435,246	c 14	N69-24331 *	#
US-PATENT-3,389,877	c 15	N71-28936 *	US-PATENT-3,420,471	c 05	N69-21380 *	US-PATENT-3,437,394	c 14	N69-27461 *	#
US-PATENT-3,390,017	c 03	N71-23336 *	US-PATENT-3,420,704	c 15	N69-21460 *	US-PATENT-3,437,527	c 03	N69-24287 *	#
US-PATENT-3,390,020	c 26	N71-23654 *	US-PATENT-3,420,945	c 09	N69-21542 *	US-PATENT-3,437,560	c 04	N69-27487 *	#
US-PATENT-3,390,023	c 26	N75-29236 *	US-PATENT-3,420,978	c 15	N69-21471 *	US-PATENT-3,437,818	c 03	N71-23354 *	#
US-PATENT-3,390,282	c 09	N71-23311 *	US-PATENT-3,421,004	c 14	N71-19568 *	US-PATENT-3,437,832	c 09	N69-27463 *	#
US-PATENT-3,390,378	c 08	N71-23295 *	US-PATENT-3,421,053	c 15	N69-21472 *	US-PATENT-3,437,874	c 08	N71-20571 *	#
US-PATENT-3,390,528	c 20	N79-21124 *	US-PATENT-3,421,056	c 14	N69-23191 *	US-PATENT-3,437,903	c 03	N69-25146 *	#
US-PATENT-3,391,080	c 15	N71-24046 *	US-PATENT-3,421,105	c 09	N69-21543 *	US-PATENT-3,437,919	c 14	N69-27423 *	#
US-PATENT-3,392,403	c 23	N71-23976 *	US-PATENT-3,421,134	c 09	N69-21470 *	US-PATENT-3,437,935	c 09	N69-24324 *	#
US-PATENT-3,392,586	c 14	N71-24232 *	US-PATENT-3,421,331	c 15	N69-23190 *	US-PATENT-3,437,959	c 07	N69-24323 *	#
US-PATENT-3,392,864	c 18	N71-23658 *	US-PATENT-3,421,363	c 11	N69-21540 *	US-PATENT-3,438,044	c 07	N69-27460 *	#
US-PATENT-3,392,865	c 15	N71-23816 *	US-PATENT-3,421,506	c 05	N69-23192 *	US-PATENT-3,438,263	c 14	N71-20435 *	#
US-PATENT-3,392,936	c 01	N71-23497 *	US-PATENT-3,421,541	c 15	N69-21924 *	US-PATENT-3,439,886	c 31	N69-27499 *	#
US-PATENT-3,393,059	c 06	N71-23499 *	US-PATENT-3,421,549	c 03	N69-21469 *	US-PATENT-3,440,819	c 14	N73-28491 *	#
US-PATENT-3,393,330	c 22	N71-23599 *	US-PATENT-3,421,591	c 14	N69-21923 *	US-PATENT-3,442,674	c 25	N82-29370 *	#
US-PATENT-3,393,332	c 09	N71-23443 *	US-PATENT-3,421,700	c 15	N69-23185 *	US-PATENT-3,443,128	c 03	N69-39890 *	#
US-PATENT-3,393,347	c 10	N71-23543 *	US-PATENT-3,421,768	c 15	N69-21362 *	US-PATENT-3,443,208	c 14	N71-20428 *	#
US-PATENT-3,393,380	c 10	N71-23544 *	US-PATENT-3,421,864	c 17	N71-23046 *	US-PATENT-3,443,384	c 28	N71-24321 *	#
US-PATENT-3,393,384	c 09	N71-23573 *	US-PATENT-3,421,948	c 03	N69-21337 *	US-PATENT-3,443,390	c 11	N71-24964 *	#
US-PATENT-3,394,286	c 14	N73-30391 *	US-PATENT-3,422,213	c 03	N69-21539 *	US-PATENT-3,443,412	c 15	N71-23811 *	#
US-PATENT-3,394,359	c 08	N71-28925 *	US-PATENT-3,422,278	c 09	N69-21468 *	US-PATENT-3,443,416	c 06	N69-39936 *	#
US-PATENT-3,394,975	c 23	N71-30027 *	US-PATENT-3,422,291	c 25	N69-21929 *	US-PATENT-3,443,472	c 15	N71-23254 *	#
US-PATENT-3,395,053	c 18	N71-23047 *	US-PATENT-3,422,324	c 14	N69-21541 *	US-PATENT-3,443,583	c 14	N71-18625 *	#
US-PATENT-3,395,565	c 14	N73-30390 *	US-PATENT-3,422,352	c 14	N71-19431 *	US-PATENT-3,443,584	c 32	N71-16106 *	#
US-PATENT-3,396,057	c 26	N71-23043 *	US-PATENT-3,422,354	c 09	N69-21926 *	US-PATENT-3,443,732	c 15	N71-15607 *	#
US-PATENT-3,396,184	c 06	N71-28808 *	US-PATENT-3,422,390	c 09	N69-21927 *	US-PATENT-3,443,773	c 31	N71-23912 *	#
US-PATENT-3,396,303	c 09	N71-22987 *	US-PATENT-3,422,403	c 08	N69-21928 *	US-PATENT-3,443,779	c 01	N69-39981 *	#
US-PATENT-3,396,584	c 14	N71-30026 *	US-PATENT-3,422,440	c 09	N69-21467 *	US-PATENT-3,444,051	c 05	N71-11207 *	#
US-PATENT-3,396,719	c 52	N79-21750 *	US-PATENT-3,423,179	c 15	N69-21922 *	US-PATENT-3,444,127	c 06	N71-11237 *	#
US-PATENT-3,396,920	c 31	N71-29050 *	US-PATENT-3,423,290	c 06	N71-17705 *	US-PATENT-3,444,375	c 14	N71-15599 *	#
US-PATENT-3,397,094	c 26	N71-29156 *	US-PATENT-3,423,579	c 09	N71-19480 *	US-PATENT-3,444,380	c 07	N69-39980 *	#
US-PATENT-3,397,117	c 15	N71-23086 *	US-PATENT-3,423,608	c 09	N69-21313 *	US-PATENT-3,446,075	c 14	N73-30394 *	#
US-PATENT-3,397,318	c 14	N71-22991 *	US-PATENT-3,423,627	c 33	N78-17293 *	US-PATENT-3,446,387	c 15	N69-39935 *	#
US-PATENT-3,397,512	c 15	N71-23023 *	US-PATENT-3,424,966	c 10	N71-20448 *	US-PATENT-3,446,558	c 16	N71-24074 *	#
US-PATENT-3,397,537	c 20	N79-21125 *	US-PATENT-3,425,131	c 15	N71-19489 *	US-PATENT-3,446,642	c 18	N69-39895 *	#
US-PATENT-3,397,932	c 15	N71-22982 *	US-PATENT-3,425,268	c 14	N69-39975 *	US-PATENT-3,446,676	c 03	N71-11050 *	#
US-PATENT-3,399,299	c 10	N71-23662 *	US-PATENT-3,425,272	c 14	N71-20439 *	US-PATENT-3,446,960	c 14	N69-39982 *	#
US-PATENT-3,399,574	c 32	N71-24285 *	US-PATENT-3,425,276	c 14	N69-24257 *	US-PATENT-3,446,992	c 09	N69-39987 *	#
US-PATENT-3,402,265	c 09	N73-28084 *	US-PATENT-3,425,486	c 05	N71-24147 *	US-PATENT-3,446,997	c 03	N69-39988 *	#
US-PATENT-3,404,289	c 09	N71-23545 *	US-PATENT-3,425,487	c 05	N71-19439 *	US-PATENT-3,446,998	c 09	N69-39929 *	#
US-PATENT-3,404,348	c 32	N74-22096 *	US-PATENT-3,425,885	c 15	N69-24322 *	US-PATENT-3,447,003	c 09	N71-20446 *	#
US-PATENT-3,405,406	c 05	N71-23161 *	US-PATENT-3,426,219	c 09	N69-24317 *	US-PATENT-3,447,015	c 06	N69-39889 *	#
US-PATENT-3,405,887	c 31	N71-24315 *	US-PATENT-3,426,230	c 15	N69-24319 *	US-PATENT-3,447,071	c 25	N69-39884 *	#
US-PATENT-3,406,336	c 10	N71-24863 *	US-PATENT-3,426,263	c 03	N71-19438 *	US-PATENT-3,447,154	c 21	N71-11766 *	#
US-PATENT-3,406,742	c 33	N71-24276 *	US-PATENT-3,426,272	c 14	N69-39785 *	US-PATENT-3,447,155	c 09	N71-18598 *	#
US-PATENT-3,407,304	c 14	N71-23240 *	US-PATENT-3,426,746	c 05	N71-26293 *	US-PATENT-3,447,233	c 15	N69-39786 *	#
US-PATENT-3,408,816	c 28	N71-24736 *	US-PATENT-3,426,791	c 15	N71-19569 *	US-PATENT-3,447,774	c 15	N71-18485 *	#
US-PATENT-3,408,870	c 14	N71-23227 *	US-PATENT-3,427,047	c 15	N69-27490 *	US-PATENT-3,447,850	c 09	N71-18600 *	#
US-PATENT-3,409,247	c 33	N71-28903 *	US-PATENT-3,427,089	c 23	N69-24332 *	US-PATENT-3,448,273	c 07	N69-39736 *	#
US-PATENT-3,409,252	c 15	N71-23255 *	US-PATENT-3,427,093	c 09	N71-19479 *	US-PATENT-3,448,290	c 10	N71-23315 *	#
US-PATENT-3,409,554	c 26	N71-23292 *	US-PATENT-3,427,097	c 11	N69-24321 *	US-PATENT-3,448,341	c 09	N71-12526 *	#
US-PATENT-3,409,730	c 33	N71-24145 *	US-PATENT-3,427,205	c 15	N69-24320 *	US-PATENT-3,448,346	c 15	N71-18701 *	#
US-PATENT-3,411,356	c 14	N71-23226 *	US-PATENT-3,427,435	c 17	N69-25147 *	US-PATENT-3,450,842	c 07	N69-39978 *	#
US-PATENT-3,411,900	c 26	N75-27126 *	US-PATENT-3,427,454	c 05	N71-19440 *	US-PATENT-3,450,8			

US-PATENT-3,452,423

REPORT NUMBER INDEX

US-PATENT-3,452,423	c 26	N71-16037 *	US-PATENT-3,472,086	c 15	N71-23809 *	US-PATENT-3,498,840	c 44	N82-24642 *	#
US-PATENT-3,452,872	c 14	N69-39896 *	US-PATENT-3,472,140	c 14	N71-26474 *	US-PATENT-3,498,841	c 44	N82-24641 *	#
US-PATENT-3,453,172	c 15	N69-39735 *	US-PATENT-3,472,202	c 17	N71-24911 *	US-PATENT-3,500,020	c 01	N71-13411 *	#
US-PATENT-3,453,462	c 03	N69-39983 *	US-PATENT-3,472,372	c 15	N71-20440 *	US-PATENT-3,500,525	c 15	N71-17688 *	#
US-PATENT-3,453,546	c 05	N71-12342 *	US-PATENT-3,472,470	c 02	N71-20570 *	US-PATENT-3,500,677	c 14	N71-17584 *	#
US-PATENT-3,453,878	c 09	N79-21083 *	US-PATENT-3,472,577	c 23	N71-24857 *	US-PATENT-3,500,686	c 12	N71-17569 *	#
US-PATENT-3,454,410	c 18	N69-39979 *	US-PATENT-3,472,625	c 06	N71-23527 *	US-PATENT-3,500,688	c 14	N71-17587 *	#
US-PATENT-3,454,766	c 35	N75-27329 *	US-PATENT-3,472,629	c 14	N71-20442 *	US-PATENT-3,500,747	c 09	N71-18599 *	#
US-PATENT-3,455,121	c 14	N71-20427 *	US-PATENT-3,472,698	c 03	N71-23449 *	US-PATENT-3,500,827	c 05	N71-11203 *	#
US-PATENT-3,455,171	c 23	N71-16098 *	US-PATENT-3,472,709	c 18	N71-26153 *	US-PATENT-3,501,112	c 15	N71-17693 *	#
US-PATENT-3,456,112	c 14	N69-39937 *	US-PATENT-3,472,742	c 17	N71-24830 *	US-PATENT-3,501,632	c 27	N71-16348 *	#
US-PATENT-3,456,193	c 08	N71-19763 *	US-PATENT-3,472,998	c 16	N71-20400 *	US-PATENT-3,501,641	c 20	N71-16340 *	#
US-PATENT-3,456,201	c 09	N69-39885 *	US-PATENT-3,473,050	c 09	N71-20447 *	US-PATENT-3,501,648	c 10	N71-24799 *	#
US-PATENT-3,458,104	c 15	N71-20393 *	US-PATENT-3,473,116	c 25	N71-20563 *	US-PATENT-3,501,649	c 10	N71-18723 *	#
US-PATENT-3,458,313	c 14	N71-17574 *	US-PATENT-3,473,165	c 05	N71-26333 *	US-PATENT-3,501,664	c 14	N71-17585 *	#
US-PATENT-3,458,651	c 09	N71-19449 *	US-PATENT-3,473,216	c 15	N71-20443 *	US-PATENT-3,501,683	c 15	N71-17694 *	#
US-PATENT-3,458,702	c 14	N71-18699 *	US-PATENT-3,473,379	c 12	N71-26387 *	US-PATENT-3,501,684	c 09	N71-26092 *	#
US-PATENT-3,458,726	c 10	N69-39888 *	US-PATENT-3,473,758	c 03	N71-20273 *	US-PATENT-3,501,701	c 08	N71-18692 *	#
US-PATENT-3,458,833	c 10	N71-19418 *	US-PATENT-3,474,192	c 07	N71-26102 *	US-PATENT-3,501,704	c 07	N71-11282 *	#
US-PATENT-3,458,851	c 09	N69-39734 *	US-PATENT-3,474,220	c 15	N71-19486 *	US-PATENT-3,501,712	c 09	N71-19516 *	#
US-PATENT-3,459,391	c 03	N71-11058 *	US-PATENT-3,474,328	c 14	N71-26266 *	US-PATENT-3,501,743	c 09	N71-18843 *	#
US-PATENT-3,460,378	c 14	N71-24233 *	US-PATENT-3,474,357	c 09	N71-20445 *	US-PATENT-3,501,750	c 08	N71-19288 *	#
US-PATENT-3,460,379	c 15	N71-24834 *	US-PATENT-3,474,413	c 10	N71-26103 *	US-PATENT-3,501,752	c 08	N71-18595 *	#
US-PATENT-3,460,381	c 14	N71-23725 *	US-PATENT-3,474,441	c 08	N71-19544 *	US-PATENT-3,501,764	c 10	N71-18722 *	#
US-PATENT-3,460,397	c 15	N71-24045 *	US-PATENT-3,475,384	c 06	N73-30103 *	US-PATENT-3,502,051	c 15	N71-17647 *	#
US-PATENT-3,460,759	c 28	N71-23968 *	US-PATENT-3,475,442	c 26	N75-27125 *	US-PATENT-3,502,074	c 05	N71-11190 *	#
US-PATENT-3,460,781	c 14	N71-23698 *	US-PATENT-3,475,675	c 33	N78-17295 *	US-PATENT-3,502,141	c 33	N71-16277 *	#
US-PATENT-3,460,995	c 03	N71-20407 *	US-PATENT-3,478,514	c 37	N77-22479 *	US-PATENT-3,503,251	c 32	N71-16428 *	#
US-PATENT-3,461,290	c 14	N71-26475 *	US-PATENT-3,480,789	c 10	N71-26626 *	US-PATENT-3,504,258	c 10	N71-18724 *	#
US-PATENT-3,461,393	c 10	N71-26415 *	US-PATENT-3,481,638	c 15	N71-26312 *	US-PATENT-3,504,983	c 23	N71-16341 *	#
US-PATENT-3,461,437	c 10	N71-26434 *	US-PATENT-3,481,802	c 31	N79-21226 *	US-PATENT-3,506,496	c 44	N82-24645 *	#
US-PATENT-3,461,700	c 15	N71-26346 *	US-PATENT-3,481,887	c 18	N71-26155 *	US-PATENT-3,507,034	c 15	N71-17650 *	#
US-PATENT-3,461,721	c 12	N71-20436 *	US-PATENT-3,482,179	c 10	N71-26331 *	US-PATENT-3,507,114	c 27	N71-16392 *	#
US-PATENT-3,461,855	c 05	N71-20268 *	US-PATENT-3,483,535	c 10	N71-26418 *	US-PATENT-3,507,146	c 05	N71-11202 *	#
US-PATENT-3,463,001	c 14	N71-20429 *	US-PATENT-3,484,712	c 10	N71-26374 *	US-PATENT-3,507,150	c 20	N71-16281 *	#
US-PATENT-3,463,563	c 15	N71-23812 *	US-PATENT-3,485,290	c 20	N79-21123 *	US-PATENT-3,507,425	c 15	N71-17628 *	#
US-PATENT-3,463,673	c 03	N71-20491 *	US-PATENT-3,486,123	c 16	N71-24831 *	US-PATENT-3,507,436	c 08	N71-19420 *	#
US-PATENT-3,463,679	c 17	N71-24142 *	US-PATENT-3,487,216	c 14	N71-24809 *	US-PATENT-3,507,704	c 03	N71-11052 *	#
US-PATENT-3,463,761	c 06	N73-30099 *	US-PATENT-3,487,281	c 15	N71-24695 *	US-PATENT-3,507,706	c 03	N71-18698 *	#
US-PATENT-3,463,762	c 06	N73-30100 *	US-PATENT-3,487,288	c 10	N71-25139 *	US-PATENT-3,508,036	c 08	N71-18693 *	#
US-PATENT-3,463,939	c 10	N71-19471 *	US-PATENT-3,487,680	c 15	N71-17666 *	US-PATENT-3,508,039	c 08	N71-19437 *	#
US-PATENT-3,464,012	c 14	N71-26244 *	US-PATENT-3,487,765	c 54	N78-17679 *	US-PATENT-3,508,053	c 09	N71-18830 *	#
US-PATENT-3,464,016	c 10	N71-19472 *	US-PATENT-3,488,103	c 14	N71-15604 *	US-PATENT-3,508,070	c 03	N71-11057 *	#
US-PATENT-3,464,018	c 09	N71-23525 *	US-PATENT-3,488,123	c 14	N71-17627 *	US-PATENT-3,508,152	c 07	N71-11266 *	#
US-PATENT-3,464,049	c 32	N71-15974 *	US-PATENT-3,488,414	c 15	N71-17803 *	US-PATENT-3,508,156	c 07	N71-11267 *	#
US-PATENT-3,464,051	c 15	N71-17685 *	US-PATENT-3,488,461	c 09	N71-12518 *	US-PATENT-3,508,347	c 05	N71-24606 *	#
US-PATENT-3,465,482	c 31	N71-16080 *	US-PATENT-3,488,504	c 21	N71-15642 *	US-PATENT-3,508,402	c 33	N71-16104 *	#
US-PATENT-3,465,567	c 15	N71-18579 *	US-PATENT-3,488,771	c 54	N78-17678 *	US-PATENT-3,508,541	c 05	N71-11193 *	#
US-PATENT-3,465,569	c 14	N71-17659 *	US-PATENT-3,490,074	c 54	N78-17677 *	US-PATENT-3,508,578	c 32	N71-16103 *	#
US-PATENT-3,465,584	c 14	N71-23726 *	US-PATENT-3,490,130	c 05	N71-12345 *	US-PATENT-3,508,723	c 31	N71-16222 *	#
US-PATENT-3,465,638	c 11	N71-18578 *	US-PATENT-3,490,205	c 14	N71-17588 *	US-PATENT-3,508,724	c 02	N71-11037 *	#
US-PATENT-3,465,986	c 31	N71-20396 *	US-PATENT-3,490,235	c 28	N71-14044 *	US-PATENT-3,508,739	c 15	N71-17648 *	#
US-PATENT-3,466,052	c 15	N71-19570 *	US-PATENT-3,490,238	c 15	N70-22192 *	US-PATENT-3,508,779	c 15	N71-24897 *	#
US-PATENT-3,466,085	c 05	N71-12343 *	US-PATENT-3,490,405	c 15	N71-15597 *	US-PATENT-3,508,840	c 18	N71-16124 *	#
US-PATENT-3,466,198	c 03	N71-19545 *	US-PATENT-3,490,440	c 05	N71-12346 *	US-PATENT-3,508,955	c 18	N71-16105 *	#
US-PATENT-3,466,243	c 15	N71-23810 *	US-PATENT-3,490,718	c 33	N71-14035 *	US-PATENT-3,508,999	c 15	N71-17687 *	#
US-PATENT-3,466,418	c 15	N71-18613 *	US-PATENT-3,490,719	c 21	N71-14159 *	US-PATENT-3,509,034	c 14	N71-17575 *	#
US-PATENT-3,466,424	c 15	N71-20395 *	US-PATENT-3,490,721	c 02	N71-11039 *	US-PATENT-3,509,386	c 03	N71-11055 *	#
US-PATENT-3,466,459	c 09	N71-26000 *	US-PATENT-3,490,939	c 33	N71-14032 *	US-PATENT-3,509,419	c 24	N71-16213 *	#
US-PATENT-3,466,484	c 14	N71-18482 *	US-PATENT-3,490,965	c 09	N71-12513 *	US-PATENT-3,509,469	c 23	N71-16099 *	#
US-PATENT-3,466,560	c 09	N71-19466 *	US-PATENT-3,491,202	c 07	N71-12392 *	US-PATENT-3,509,475	c 09	N71-24596 *	#
US-PATENT-3,466,570	c 10	N71-25950 *	US-PATENT-3,491,255	c 09	N71-12514 *	US-PATENT-3,509,491	c 09	N71-18721 *	#
US-PATENT-3,467,837	c 05	N71-23317 *	US-PATENT-3,491,335	c 14	N71-15620 *	US-PATENT-3,509,551	c 08	N71-18694 *	#
US-PATENT-3,468,303	c 09	N71-26002 *	US-PATENT-3,491,857	c 14	N71-17626 *	US-PATENT-3,509,558	c 08	N71-19435 *	#
US-PATENT-3,468,548	c 15	N71-26294 *	US-PATENT-3,492,176	c 27	N71-14090 *	US-PATENT-3,509,570	c 09	N71-18720 *	#
US-PATENT-3,468,609	c 16	N71-24170 *	US-PATENT-3,492,672	c 05	N71-12344 *	US-PATENT-3,509,578	c 07	N71-19493 *	#
US-PATENT-3,468,727	c 14	N71-25892 *	US-PATENT-3,492,739	c 15	N71-15571 *	US-PATENT-3,511,680	c 31	N79-21227 *	#
US-PATENT-3,468,765	c 17	N71-25903 *	US-PATENT-3,492,858	c 35	N78-17358 *	US-PATENT-3,512,009	c 08	N71-18751 *	#
US-PATENT-3,468,868	c 15	N71-23815 *	US-PATENT-3,492,862	c 14	N71-15600 *	US-PATENT-3,514,785	c 54	N78-18761 *	#
US-PATENT-3,469,069	c 15	N71-23798 *	US-PATENT-3,492,947	c 28	N71-14058 *	US-PATENT-3,516,091	c 05	N71-24623 *	#
US-PATENT-3,469,087	c 16	N71-25914 *	US-PATENT-3,493,003	c 15	N71-15609 *	US-PATENT-3,516,179	c 11	N71-19494 *	#
US-PATENT-3,469,143	c 33	N75-29318 *	US-PATENT-3,493,004	c 12	N71-17579 *	US-PATENT-3,516,185	c 12	N71-18603 *	#
US-PATENT-3,469,289	c 15	N71-25975 *	US-PATENT-3,493,012	c 15	N71-15608 *	US-PATENT-3,516,284	c 12	N71-17573 *	#
US-PATENT-3,469,375	c 14	N71-18483 *	US-PATENT-3,493,027	c 31	N71-18611 *	US-PATENT-3,516,404	c 05	N71-17599 *	#
US-PATENT-3,469,436	c 15	N71-23817 *	US-PATENT-3,493,153	c 05	N71-12351 *	US-PATENT-3,516,711	c 05	N71-12341 *	#
US-PATENT-3,469,437	c 14	N71-24234 *	US-PATENT-3,493,155	c 26	N71-14354 *	US-PATENT-3,516,879	c 23	N71-16212 *	#
US-PATENT-3,469,734	c 11	N71-17600 *	US-PATENT-3,493,194	c 21	N71-14132 *	US-PATENT-3,516,964	c 06	N71-11240 *	#
US-PATENT-3,470,043	c 15	N71-24047 *	US-PATENT-3,493,197	c 02	N71-11043 *	US-PATENT-3,516,970	c 06	N71-11239 *	#
US-PATENT-3,470,304	c 14	N71-23267 *	US-PATENT-3,493,291	c 14	N71-15622 *	US-PATENT-3,516,971	c 06	N71-24740 *	#
US-PATENT-3,470,313	c 07	N71-26579 *	US-PATENT-3,493,294	c 14	N71-15605 *	US-PATENT-3,517,109	c 07	N71-19436 *	#
US-PATENT-3,470,318	c 07	N71-24612 *	US-PATENT-3,493,401	c 18	N71-14014 *	US-PATENT-3,517,162	c 33	N71-16278 *	#
US-PATENT-3,470,342	c 09	N71-19610 *	US-PATENT-3,493,415	c 15	N71-15610 *	US-PATENT-3,517,171	c 08	N71-24633 *	#
US-PATENT-3,470,443	c 03	N71-23239 *	US-PATENT-3,493,437	c 03	N71-11056 *	US-PATENT-3,517,221	c 10	N71-19547 *	#
US-PATENT-3,470,446	c 09	N71-23188 *	US-PATENT-3,493,522	c 06	N71-11243 *	US-PATENT-3,517,268	c 10	N71-19469 *	#
US-PATENT-3,470,466	c 14	N71-23699 *	US-PATENT-3,493,524	c 06	N71-11242 *	US-PATENT-3,517,302	c 25	N71-16073 *	#
US-PATENT-3,470,475	c 10	N71-19467 *	US-PATENT-3,493,665	c 14	N71-15621 *	US-PATENT-3,517,318	c 08	N71-19432 *	#
US-PATENT-3,470,489	c 09	N71-23598 *	US-PATENT-3,493,677	c 07	N71-11300 *	US-PATENT-3,517,328	c 16	N71-18614 *	#
US-PATENT-3,470,495	c 10	N71-23669 *	US-PATENT-3,493,711	c 15	N71-14932 *	US-PATENT-3,518,232	c 06	N71-11235 *	#
US-PATENT-3,470,496	c 09	N71-19470 *	US-PATENT-3,493,746	c 15	N71-15606 *	US-PATENT-3,519,483	c 44	N82-24644 *	#
US-PATENT-3,471,856	c 30	N71-16090 *	US-PATENT-3,493,797	c 15	N71-17652 *	US-PATENT-3,519,484	c 44	N82-24643 *	#
US-PATENT-3,471,858	c 07	N71-12391 *	US-PATENT-3,493,805	c 09	N71-12521 *	US-PATENT-3,520,190	c 10	N71-13537 *	#
US-PATENT-3,472,019	c 10	N71-26326 *	US-PATENT-3,493,901	c 09	N71-12517 *	US-PATENT-3,520,238	c 14	N71-18465 *	#
US-PATENT-3,472,059	c 14	N71-23755 *	US-PATENT-3,493,929	c 08	N71-12505 *	US-PATENT-3,520,317	c 12	N71-17578 *	#
US-PATENT-3,472,060	c 14	N71-26136 *	US-PATENT-3,493,942	c 08	N71-12504 *	US-PATENT-3,520,4			

REPORT NUMBER INDEX

US-PATENT-3,572,610

US-PATENT-3,520,660	c 23	N71-16355 *	US-PATENT-3,535,586	c 25	N71-15562 *	US-PATENT-3,554,806	c 03	N71-26084 *
US-PATENT-3,521,054	c 06	N71-13461 *	US-PATENT-3,535,602	c 09	N71-13522 *	US-PATENT-3,555,192	c 07	N71-26181 *
US-PATENT-3,521,143	c 08	N71-18752 *	US-PATENT-3,535,642	c 08	N71-12503 *	US-PATENT-3,555,361	c 10	N71-26531 *
US-PATENT-3,521,290	c 31	N71-16102 *	US-PATENT-3,535,644	c 09	N71-12519 *	US-PATENT-3,555,455	c 23	N71-26722 *
US-PATENT-3,523,228	c 10	N71-24861 *	US-PATENT-3,535,657	c 07	N71-12390 *	US-PATENT-3,555,483	c 35	N71-21393 *
US-PATENT-3,526,030	c 15	N71-17686 *	US-PATENT-3,535,658	c 08	N71-12500 *	US-PATENT-3,555,867	c 15	N71-26148 *
US-PATENT-3,526,134	c 33	N71-16356 *	US-PATENT-3,535,683	c 31	N71-15566 *	US-PATENT-3,555,898	c 12	N71-26546 *
US-PATENT-3,526,139	c 31	N71-16221 *	US-PATENT-3,535,696	c 08	N71-12508 *	US-PATENT-3,556,048	c 09	N71-26701 *
US-PATENT-3,526,140	c 27	N71-16223 *	US-PATENT-3,535,702	c 09	N71-12515 *	US-PATENT-3,556,634	c 07	N71-26291 *
US-PATENT-3,526,359	c 33	N71-16357 *	US-PATENT-3,536,103	c 15	N71-19213 *	US-PATENT-3,557,027	c 06	N71-25929 *
US-PATENT-3,526,365	c 28	N71-16224 *	US-PATENT-3,537,096	c 08	N71-12507 *	US-PATENT-3,557,534	c 15	N71-26185 *
US-PATENT-3,526,372	c 31	N71-16346 *	US-PATENT-3,537,103	c 08	N71-24650 *	US-PATENT-3,559,031	c 10	N71-26085 *
US-PATENT-3,526,382	c 15	N71-17649 *	US-PATENT-3,537,107	c 05	N71-24730 *	US-PATENT-3,559,096	c 10	N71-25882 *
US-PATENT-3,526,460	c 23	N71-16365 *	US-PATENT-3,537,305	c 26	N71-25490 *	US-PATENT-3,559,460	c 14	N71-26672 *
US-PATENT-3,526,473	c 18	N71-15545 *	US-PATENT-3,537,515	c 09	N71-24807 *	US-PATENT-3,559,937	c 14	N71-26627 *
US-PATENT-3,526,580	c 18	N71-16210 *	US-PATENT-3,537,668	c 05	N71-24728 *	US-PATENT-3,560,081	c 19	N71-26674 *
US-PATENT-3,526,611	c 06	N71-11236 *	US-PATENT-3,537,672	c 15	N71-24694 *	US-PATENT-3,560,161	c 06	N71-26754 *
US-PATENT-3,526,845	c 09	N71-13531 *	US-PATENT-3,538,053	c 27	N78-17214 *	US-PATENT-3,561,828	c 15	N71-26189 *
US-PATENT-3,526,897	c 09	N71-13521 *	US-PATENT-3,539,905	c 09	N71-24800 *	US-PATENT-3,562,575	c 09	N71-26182 *
US-PATENT-3,527,724	c 27	N78-33228 *	US-PATENT-3,540,045	c 09	N71-24595 *	US-PATENT-3,562,631	c 14	N71-26137 *
US-PATENT-3,529,480	c 15	N71-17692 *	US-PATENT-3,540,048	c 31	N71-24813 *	US-PATENT-3,562,857	c 15	N71-26721 *
US-PATENT-3,529,928	c 17	N71-16393 *	US-PATENT-3,540,050	c 09	N71-24804 *	US-PATENT-3,562,881	c 09	N71-26678 *
US-PATENT-3,530,336	c 09	N71-13518 *	US-PATENT-3,540,054	c 07	N71-24625 *	US-PATENT-3,562,919	c 15	N71-26145 *
US-PATENT-3,531,964	c 15	N71-18616 *	US-PATENT-3,540,056	c 07	N71-24614 *	US-PATENT-3,563,135	c 15	N71-27147 *
US-PATENT-3,531,978	c 14	N71-18481 *	US-PATENT-3,540,250	c 15	N71-24865 *	US-PATENT-3,563,198	c 18	N71-26285 *
US-PATENT-3,531,982	c 15	N71-18132 *	US-PATENT-3,540,449	c 15	N71-24835 *	US-PATENT-3,563,232	c 05	N71-27234 *
US-PATENT-3,531,989	c 33	N71-15641 *	US-PATENT-3,540,615	c 33	N71-25351 *	US-PATENT-3,563,307	c 15	N71-26611 *
US-PATENT-3,532,118	c 12	N71-18615 *	US-PATENT-3,540,676	c 15	N71-24600 *	US-PATENT-3,563,668	c 14	N71-26788 *
US-PATENT-3,532,128	c 15	N71-18580 *	US-PATENT-3,540,790	c 16	N71-26154 *	US-PATENT-3,563,727	c 15	N71-27184 *
US-PATENT-3,532,427	c 21	N71-19212 *	US-PATENT-3,540,802	c 23	N71-24868 *	US-PATENT-3,563,918	c 06	N71-27363 *
US-PATENT-3,532,428	c 30	N71-15990 *	US-PATENT-3,540,942	c 15	N71-24875 *	US-PATENT-3,564,234	c 09	N71-26787 *
US-PATENT-3,532,538	c 18	N71-16046 *	US-PATENT-3,540,989	c 24	N71-25555 *	US-PATENT-3,564,401	c 14	N71-26135 *
US-PATENT-3,532,551	c 03	N71-11049 *	US-PATENT-3,541,250	c 07	N71-24742 *	US-PATENT-3,564,420	c 14	N71-26774 *
US-PATENT-3,532,568	c 17	N71-16044 *	US-PATENT-3,541,312	c 08	N71-24891 *	US-PATENT-3,564,564	c 15	N71-26162 *
US-PATENT-3,532,673	c 06	N71-11238 *	US-PATENT-3,541,314	c 07	N71-24741 *	US-PATENT-3,564,866	c 23	N71-26654 *
US-PATENT-3,532,807	c 07	N71-19433 *	US-PATENT-3,541,346	c 09	N71-24803 *	US-PATENT-3,564,906	c 32	N71-26681 *
US-PATENT-3,532,819	c 10	N71-19468 *	US-PATENT-3,541,361	c 09	N71-24904 *	US-PATENT-3,565,530	c 15	N71-26673 *
US-PATENT-3,532,866	c 08	N71-18602 *	US-PATENT-3,541,422	c 03	N71-24719 *	US-PATENT-3,565,584	c 15	N71-27372 *
US-PATENT-3,532,880	c 24	N71-16095 *	US-PATENT-3,541,428	c 09	N71-24893 *	US-PATENT-3,565,607	c 17	N71-26773 *
US-PATENT-3,532,894	c 23	N71-16100 *	US-PATENT-3,541,439	c 09	N71-24843 *	US-PATENT-3,565,719	c 03	N71-26726 *
US-PATENT-3,532,948	c 10	N71-18772 *	US-PATENT-3,541,450	c 07	N71-24840 *	US-PATENT-3,566,027	c 07	N71-27341 *
US-PATENT-3,532,960	c 03	N71-12255 *	US-PATENT-3,541,459	c 10	N71-24844 *	US-PATENT-3,566,045	c 08	N71-27210 *
US-PATENT-3,532,973	c 15	N71-17822 *	US-PATENT-3,541,479	c 09	N71-24841 *	US-PATENT-3,566,122	c 14	N71-27323 *
US-PATENT-3,532,975	c 10	N71-19421 *	US-PATENT-3,541,486	c 16	N71-28554 *	US-PATENT-3,566,143	c 14	N71-27407 *
US-PATENT-3,532,979	c 10	N71-12554 *	US-PATENT-3,541,679	c 03	N71-24681 *	US-PATENT-3,566,158	c 10	N71-27126 *
US-PATENT-3,532,985	c 07	N71-19773 *	US-PATENT-3,541,825	c 15	N71-24836 *	US-PATENT-3,566,268	c 10	N71-26577 *
US-PATENT-3,533,001	c 07	N71-24583 *	US-PATENT-3,541,875	c 15	N71-24984 *	US-PATENT-3,566,396	c 10	N71-26544 *
US-PATENT-3,533,006	c 10	N72-28241 *	US-PATENT-3,543,050	c 10	N71-24862 *	US-PATENT-3,566,459	c 14	N71-27334 *
US-PATENT-3,533,074	c 08	N71-12502 *	US-PATENT-3,543,159	c 09	N71-24717 *	US-PATENT-3,566,476	c 14	N71-26199 *
US-PATENT-3,533,093	c 10	N71-19417 *	US-PATENT-3,543,839	c 34	N78-17337 *	US-PATENT-3,566,993	c 15	N71-27169 *
US-PATENT-3,533,098	c 08	N71-18594 *	US-PATENT-3,545,208	c 28	N71-25213 *	US-PATENT-3,567,155	c 21	N71-27324 *
US-PATENT-3,534,365	c 07	N71-19854 *	US-PATENT-3,545,226	c 23	N71-24725 *	US-PATENT-3,567,339	c 15	N71-27084 *
US-PATENT-3,534,367	c 02	N71-19287 *	US-PATENT-3,545,252	c 11	N71-24985 *	US-PATENT-3,567,651	c 18	N71-27170 *
US-PATENT-3,534,375	c 07	N71-11285 *	US-PATENT-3,545,262	c 38	N76-28563 *	US-PATENT-3,567,677	c 18	N71-25881 *
US-PATENT-3,534,376	c 07	N71-26101 *	US-PATENT-3,545,275	c 09	N71-24597 *	US-PATENT-3,567,861	c 10	N71-25865 *
US-PATENT-3,534,406	c 05	N71-11195 *	US-PATENT-3,545,725	c 15	N71-24599 *	US-PATENT-3,567,913	c 10	N71-27137 *
US-PATENT-3,534,407	c 05	N71-11194 *	US-PATENT-3,545,792	c 15	N71-24903 *	US-PATENT-3,567,927	c 14	N71-28863 *
US-PATENT-3,534,479	c 14	N71-17657 *	US-PATENT-3,546,386	c 07	N71-24621 *	US-PATENT-3,568,010	c 09	N71-27232 *
US-PATENT-3,534,480	c 14	N71-17658 *	US-PATENT-3,546,471	c 14	N71-24864 *	US-PATENT-3,568,028	c 10	N71-27136 *
US-PATENT-3,534,485	c 11	N71-18773 *	US-PATENT-3,546,552	c 15	N71-24895 *	US-PATENT-3,568,103	c 10	N71-25900 *
US-PATENT-3,534,555	c 12	N71-17631 *	US-PATENT-3,546,553	c 09	N71-24805 *	US-PATENT-3,568,197	c 07	N71-27056 *
US-PATENT-3,534,584	c 10	N71-13545 *	US-PATENT-3,546,684	c 07	N71-24624 *	US-PATENT-3,568,447	c 15	N71-27432 *
US-PATENT-3,534,585	c 14	N71-17701 *	US-PATENT-3,546,694	c 10	N71-24798 *	US-PATENT-3,568,572	c 15	N71-27754 *
US-PATENT-3,534,592	c 14	N71-17656 *	US-PATENT-3,546,705	c 09	N71-24842 *	US-PATENT-3,568,702	c 10	N71-25899 *
US-PATENT-3,534,596	c 14	N71-17586 *	US-PATENT-3,546,917	c 15	N71-24679 *	US-PATENT-3,568,748	c 15	N71-27091 *
US-PATENT-3,534,597	c 31	N71-15643 *	US-PATENT-3,546,920	c 06	N71-24607 *	US-PATENT-3,568,795	c 15	N71-27067 *
US-PATENT-3,534,650	c 15	N71-17653 *	US-PATENT-3,546,931	c 32	N71-25360 *	US-PATENT-3,568,805	c 15	N71-27146 *
US-PATENT-3,534,686	c 31	N71-15687 *	US-PATENT-3,547,105	c 09	N71-24618 *	US-PATENT-3,568,874	c 15	N71-27068 *
US-PATENT-3,534,727	c 05	N71-11189 *	US-PATENT-3,547,376	c 31	N71-25434 *	US-PATENT-3,568,885	c 14	N71-27005 *
US-PATENT-3,534,765	c 12	N71-17661 *	US-PATENT-3,547,540	c 16	N71-24828 *	US-PATENT-3,569,710	c 14	N71-25901 *
US-PATENT-3,534,826	c 31	N71-15689 *	US-PATENT-3,547,801	c 03	N71-24718 *	US-PATENT-3,569,744	c 09	N71-27016 *
US-PATENT-3,534,836	c 15	N71-17805 *	US-PATENT-3,548,107	c 07	N71-24622 *	US-PATENT-3,569,804	c 09	N71-25999 *
US-PATENT-3,534,909	c 15	N71-17654 *	US-PATENT-3,548,633	c 18	N71-24934 *	US-PATENT-3,569,827	c 18	N71-27397 *
US-PATENT-3,534,924	c 31	N71-15674 *	US-PATENT-3,548,636	c 15	N71-24910 *	US-PATENT-3,569,828	c 14	N71-27186 *
US-PATENT-3,534,925	c 31	N71-15676 *	US-PATENT-3,548,812	c 05	N71-24729 *	US-PATENT-3,569,866	c 10	N71-27271 *
US-PATENT-3,534,926	c 15	N71-19214 *	US-PATENT-3,548,930	c 33	N71-25353 *	US-PATENT-3,569,875	c 07	N71-27191 *
US-PATENT-3,534,930	c 02	N71-13422 *	US-PATENT-3,549,435	c 14	N72-28438 *	US-PATENT-3,569,956	c 10	N71-25917 *
US-PATENT-3,535,012	c 16	N71-15567 *	US-PATENT-3,549,564	c 06	N71-24739 *	US-PATENT-3,569,976	c 07	N71-27233 *
US-PATENT-3,535,013	c 16	N71-15551 *	US-PATENT-3,549,799	c 09	N71-25866 *	US-PATENT-3,570,143	c 10	N71-27365 *
US-PATENT-3,535,014	c 16	N71-15565 *	US-PATENT-3,549,882	c 15	N71-24896 *	US-PATENT-3,570,364	c 28	N71-26779 *
US-PATENT-3,535,024	c 14	N71-17662 *	US-PATENT-3,549,955	c 09	N71-24892 *	US-PATENT-3,570,513	c 12	N71-27332 *
US-PATENT-3,535,041	c 14	N71-17655 *	US-PATENT-3,550,023	c 09	N71-24806 *	US-PATENT-3,570,785	c 28	N71-27585 *
US-PATENT-3,535,110	c 17	N71-15468 *	US-PATENT-3,550,034	c 16	N71-24832 *	US-PATENT-3,570,789	c 02	N71-27088 *
US-PATENT-3,535,130	c 18	N71-15469 *	US-PATENT-3,550,129	c 21	N71-24948 *	US-PATENT-3,571,555	c 15	N71-27135 *
US-PATENT-3,535,165	c 33	N71-15568 *	US-PATENT-3,550,585	c 05	N71-24738 *	US-PATENT-3,571,656	c 09	N71-27001 *
US-PATENT-3,535,179	c 15	N71-17651 *	US-PATENT-3,551,266	c 33	N71-24858 *	US-PATENT-3,571,662	c 10	N71-27366 *
US-PATENT-3,535,352	c 18	N71-15688 *	US-PATENT-3,551,816	c 07	N71-24613 *	US-PATENT-3,571,693	c 09	N71-27364 *
US-PATENT-3,535,446	c 09	N71-12539 *	US-PATENT-3,551,831	c 33	N75-27251 *	US-PATENT-3,571,699	c 09	N71-27053 *
US-PATENT-3,535,451	c 07	N71-11281 *	US-PATENT-3,552,124	c 28	N71-26642 *	US-PATENT-3,571,700	c 14	N71-27325 *
US-PATENT-3,535,497	c 08	N71-24890 *	US-PATENT-3,552,125	c 28	N71-26173 *	US-PATENT-3,571,707	c 10	N71-27338 *
US-PATENT-3,535,543	c 09	N71-13486 *	US-PATENT-3,553,002	c 18	N71-26100 *	US-PATENT-3,571,800	c 10	N71-27272 *
US-PATENT-3,535,547	c 09	N71-12520 *	US-PATENT-3,553,586	c 07	N71-26292 *	US-PATENT-3,571,801	c 08	N71-27255 *
US-PATENT-3,535,554	c 09	N71-12516 *	US-PATENT-3,553,704	c 10	N71-26142 *	US-PATENT-3,572,089	c 14	N71-27185 *
US-PATENT-3,535,560	c 08	N71-12494 *	US-PATENT-3,553,904	c 15	N71-26134 *	US-PATENT-3,572,104	c 28	N71-27094 *
US-PATENT-3,535,562	c 33	N71-27862 *	US-PATENT-3,554,466	c 31	N71-26537 *	US-PATENT-3,572,112	c 15	N71-27006 *
US-PATENT-3,535,570	c 15	N71-24696 *	US-PATENT-3,554,647	c 23	N71-26206 *	US-PATENT-3,572,610	c 28	N71-27095 *

US-PATENT-3,572,935

REPORT NUMBER INDEX

US-PATENT-3,572,935	c 14	N71-27215 *	US-PATENT-3,593,175	c 10	N72-11256 *	US-PATENT-3,615,241	c 15	N72-21465 *
US-PATENT-3,573,078	c 27	N82-29451 *	US-PATENT-3,593,180	c 07	N72-11150 *	US-PATENT-3,615,465	c 06	N72-21094 *
US-PATENT-3,573,470	c 74	N78-33913 *	US-PATENT-3,593,194	c 16	N72-12440 *	US-PATENT-3,615,853	c 03	N72-22042 *
US-PATENT-3,573,504	c 33	N78-17294 *	US-PATENT-3,594,790	c 07	N72-12080 *	US-PATENT-3,616,338	c 15	N72-21466 *
US-PATENT-3,573,583	c 09	N71-28886 *	US-PATENT-3,594,803	c 09	N72-12136 *	US-PATENT-3,616,528	c 03	N72-22041 *
US-PATENT-3,573,797	c 08	N71-27057 *	US-PATENT-3,596,465	c 28	N72-11708 *	US-PATENT-3,617,804	c 25	N72-24753 *
US-PATENT-3,573,977	c 15	N71-28582 *	US-PATENT-3,596,510	c 14	N72-11363 *	US-PATENT-3,619,896	c 15	N72-22487 *
US-PATENT-3,573,986	c 03	N71-28579 *	US-PATENT-3,596,554	c 15	N72-11385 *	US-PATENT-3,619,924	c 11	N72-22247 *
US-PATENT-3,573,996	c 18	N71-29040 *	US-PATENT-3,596,863	c 15	N72-11386 *	US-PATENT-3,620,018	c 28	N72-22771 *
US-PATENT-3,574,057	c 22	N71-28759 *	US-PATENT-3,597,281	c 03	N72-11062 *	US-PATENT-3,620,069	c 14	N72-22440 *
US-PATENT-3,574,084	c 14	N71-28933 *	US-PATENT-3,598,921	c 08	N72-11171 *	US-PATENT-3,620,076	c 11	N72-22246 *
US-PATENT-3,574,277	c 15	N71-28467 *	US-PATENT-3,599,216	c 07	N72-11148 *	US-PATENT-3,620,083	c 14	N72-22438 *
US-PATENT-3,574,286	c 11	N71-27036 *	US-PATENT-3,599,335	c 08	N72-11172 *	US-PATENT-3,620,095	c 15	N72-21463 *
US-PATENT-3,574,438	c 07	N71-29065 *	US-PATENT-3,599,443	c 05	N72-11084 *	US-PATENT-3,620,585	c 15	N72-22490 *
US-PATENT-3,574,448	c 23	N71-29123 *	US-PATENT-3,599,489	c 14	N72-11365 *	US-PATENT-3,620,595	c 14	N72-22445 *
US-PATENT-3,574,462	c 14	N71-29041 *	US-PATENT-3,600,046	c 15	N72-11388 *	US-PATENT-3,620,606	c 23	N72-22673 *
US-PATENT-3,574,467	c 23	N71-29125 *	US-PATENT-3,600,599	c 33	N78-17296 *	US-PATENT-3,620,718	c 17	N72-22535 *
US-PATENT-3,574,470	c 14	N71-28993 *	US-PATENT-3,602,920	c 11	N72-17183 *	US-PATENT-3,620,784	c 18	N72-23581 *
US-PATENT-3,574,770	c 06	N71-27254 *	US-PATENT-3,602,923	c 05	N72-22093 *	US-PATENT-3,620,791	c 18	N72-22566 *
US-PATENT-3,575,336	c 15	N71-27214 *	US-PATENT-3,602,979	c 15	N72-22492 *	US-PATENT-3,620,846	c 31	N72-22874 *
US-PATENT-3,575,585	c 14	N71-27058 *	US-PATENT-3,602,984	c 26	N72-17820 *	US-PATENT-3,621,130	c 08	N72-22164 *
US-PATENT-3,575,597	c 14	N71-27090 *	US-PATENT-3,603,092	c 28	N72-17843 *	US-PATENT-3,621,193	c 15	N72-23497 *
US-PATENT-3,575,602	c 16	N71-27183 *	US-PATENT-3,603,093	c 28	N72-18766 *	US-PATENT-3,621,194	c 15	N72-22491 *
US-PATENT-3,575,638	c 09	N71-26133 *	US-PATENT-3,603,260	c 33	N72-17947 *	US-PATENT-3,621,228	c 08	N72-22165 *
US-PATENT-3,575,641	c 10	N71-26334 *	US-PATENT-3,603,285	c 25	N75-29192 *	US-PATENT-3,621,277	c 10	N72-22236 *
US-PATENT-3,576,107	c 28	N71-26781 *	US-PATENT-3,603,382	c 33	N72-17948 *	US-PATENT-3,621,285	c 09	N72-22200 *
US-PATENT-3,576,127	c 14	N71-26161 *	US-PATENT-3,603,433	c 15	N72-17450 *	US-PATENT-3,621,287	c 09	N72-22201 *
US-PATENT-3,576,135	c 15	N71-26635 *	US-PATENT-3,603,532	c 30	N72-17873 *	US-PATENT-3,621,290	c 09	N72-22202 *
US-PATENT-3,576,301	c 02	N71-26110 *	US-PATENT-3,603,683	c 14	N72-17326 *	US-PATENT-3,621,294	c 09	N72-23171 *
US-PATENT-3,576,656	c 18	N71-26772 *	US-PATENT-3,603,686	c 16	N72-13437 *	US-PATENT-3,621,330	c 33	N72-23136 *
US-PATENT-3,576,669	c 15	N71-29032 *	US-PATENT-3,603,690	c 14	N72-17323 *	US-PATENT-3,621,362	c 09	N72-22203 *
US-PATENT-3,576,723	c 09	N71-28691 *	US-PATENT-3,603,722	c 07	N72-17109 *	US-PATENT-3,621,372	c 09	N72-25249 *
US-PATENT-3,576,786	c 06	N71-28620 *	US-PATENT-3,603,772	c 08	N72-22166 *	US-PATENT-3,621,406	c 09	N72-33204 *
US-PATENT-3,577,014	c 10	N71-28860 *	US-PATENT-3,603,798	c 09	N72-17152 *	US-PATENT-3,621,407	c 09	N72-21245 *
US-PATENT-3,577,092	c 07	N71-28430 *	US-PATENT-3,603,864	c 09	N72-17154 *	US-PATENT-3,621,565	c 09	N72-22199 *
US-PATENT-3,577,356	c 06	N73-30102 *	US-PATENT-3,603,892	c 09	N72-17155 *	US-PATENT-3,623,030	c 08	N72-21198 *
US-PATENT-3,578,755	c 14	N71-29134 *	US-PATENT-3,603,946	c 09	N72-17153 *	US-PATENT-3,623,094	c 10	N72-22235 *
US-PATENT-3,578,756	c 11	N71-28629 *	US-PATENT-3,603,974	c 14	N72-18411 *	US-PATENT-3,623,107	c 07	N72-21117 *
US-PATENT-3,578,758	c 14	N71-28992 *	US-PATENT-3,603,976	c 08	N72-18184 *	US-PATENT-3,623,114	c 07	N72-22127 *
US-PATENT-3,578,838	c 16	N71-29131 *	US-PATENT-3,605,032	c 10	N72-17172 *	US-PATENT-3,623,359	c 35	N77-27367 *
US-PATENT-3,578,867	c 14	N71-28994 *	US-PATENT-3,605,424	c 15	N72-17453 *	US-PATENT-3,623,360	c 14	N72-21405 *
US-PATENT-3,578,957	c 08	N71-29033 *	US-PATENT-3,605,482	c 14	N72-16282 *	US-PATENT-3,623,361	c 14	N72-21407 *
US-PATENT-3,578,988	c 09	N71-29139 *	US-PATENT-3,605,495	c 14	N72-17327 *	US-PATENT-3,623,394	c 15	N72-22488 *
US-PATENT-3,578,992	c 09	N71-28421 *	US-PATENT-3,605,519	c 14	N72-17324 *	US-PATENT-3,623,828	c 15	N72-22489 *
US-PATENT-3,579,041	c 09	N71-29008 *	US-PATENT-3,606,212	c 31	N72-18859 *	US-PATENT-3,623,861	c 17	N72-22530 *
US-PATENT-3,579,103	c 14	N71-28991 *	US-PATENT-3,606,470	c 46	N74-23068 *	US-PATENT-3,624,496	c 15	N72-21464 *
US-PATENT-3,579,122	c 08	N71-29034 *	US-PATENT-3,606,522	c 23	N72-23695 *	US-PATENT-3,624,598	c 21	N72-22619 *
US-PATENT-3,579,146	c 08	N71-29138 *	US-PATENT-3,606,979	c 15	N72-17454 *	US-PATENT-3,624,650	c 07	N72-21118 *
US-PATENT-3,579,147	c 07	N71-28429 *	US-PATENT-3,607,015	c 06	N72-17093 *	US-PATENT-3,624,659	c 09	N72-21246 *
US-PATENT-3,579,168	c 09	N71-29035 *	US-PATENT-3,607,076	c 06	N72-17094 *	US-PATENT-3,624,839	c 05	N72-20098 *
US-PATENT-3,579,242	c 07	N71-28980 *	US-PATENT-3,607,080	c 06	N72-17095 *	US-PATENT-3,625,018	c 15	N72-22484 *
US-PATENT-3,579,390	c 18	N71-28729 *	US-PATENT-3,607,338	c 18	N72-17532 *	US-PATENT-3,625,084	c 15	N72-22485 *
US-PATENT-3,579,412	c 17	N71-28747 *	US-PATENT-3,607,401	c 03	N72-15986 *	US-PATENT-3,625,766	c 03	N72-20032 *
US-PATENT-3,581,492	c 28	N71-28915 *	US-PATENT-3,607,495	c 15	N72-16330 *	US-PATENT-3,626,114	c 35	N79-16246 *
US-PATENT-3,582,828	c 33	N77-21314 *	US-PATENT-3,608,046	c 15	N72-16329 *	US-PATENT-3,626,189	c 14	N72-20381 *
US-PATENT-3,582,960	c 09	N71-28618 *	US-PATENT-3,608,365	c 15	N72-17452 *	US-PATENT-3,626,218	c 14	N72-22439 *
US-PATENT-3,583,058	c 15	N71-29018 *	US-PATENT-3,608,409	c 14	N72-16283 *	US-PATENT-3,626,298	c 07	N72-20140 *
US-PATENT-3,583,239	c 15	N71-29132 *	US-PATENT-3,608,844	c 15	N72-18477 *	US-PATENT-3,626,308	c 10	N72-20223 *
US-PATENT-3,583,322	c 05	N71-28619 *	US-PATENT-3,609,230	c 09	N72-17156 *	US-PATENT-3,626,828	c 14	N72-20380 *
US-PATENT-3,583,419	c 12	N71-28741 *	US-PATENT-3,609,271	c 09	N72-22204 *	US-PATENT-3,628,113	c 37	N77-27400 *
US-PATENT-3,583,744	c 15	N71-29133 *	US-PATENT-3,609,327	c 08	N72-22167 *	US-PATENT-3,629,068	c 22	N72-20597 *
US-PATENT-3,583,777	c 15	N71-28465 *	US-PATENT-3,609,353	c 14	N72-17328 *	US-PATENT-3,629,161	c 18	N72-22567 *
US-PATENT-3,583,815	c 15	N71-28740 *	US-PATENT-3,609,364	c 10	N72-17173 *	US-PATENT-3,630,276	c 33	N72-22915 *
US-PATENT-3,584,311	c 09	N71-28468 *	US-PATENT-3,609,387	c 09	N72-17157 *	US-PATENT-3,630,304	c 11	N72-20244 *
US-PATENT-3,584,660	c 15	N72-12408 *	US-PATENT-3,609,535	c 14	N72-17325 *	US-PATENT-3,630,627	c 03	N72-20033 *
US-PATENT-3,585,514	c 10	N71-33129 *	US-PATENT-3,609,567	c 10	N72-17171 *	US-PATENT-3,631,339	c 08	N72-20177 *
US-PATENT-3,585,882	c 15	N71-33518 *	US-PATENT-3,609,740	c 05	N72-16015 *	US-PATENT-3,631,351	c 10	N72-20224 *
US-PATENT-3,586,261	c 31	N71-33160 *	US-PATENT-3,610,365	c 15	N72-17451 *	US-PATENT-3,631,382	c 09	N72-20200 *
US-PATENT-3,587,306	c 11	N71-33612 *	US-PATENT-3,611,274	c 15	N72-17455 *	US-PATENT-3,631,707	c 15	N72-20495 *
US-PATENT-3,587,424	c 16	N71-33410 *	US-PATENT-3,611,330	c 23	N72-17747 *	US-PATENT-3,632,081	c 15	N72-20442 *
US-PATENT-3,588,220	c 23	N71-33229 *	US-PATENT-3,611,798	c 14	N72-22437 *	US-PATENT-3,632,140	c 15	N72-20445 *
US-PATENT-3,588,331	c 07	N72-12081 *	US-PATENT-3,611,801	c 14	N72-17329 *	US-PATENT-3,632,242	c 15	N72-20446 *
US-PATENT-3,588,359	c 07	N71-33108 *	US-PATENT-3,612,030	c 46	N74-23069 *	US-PATENT-3,632,923	c 09	N72-20199 *
US-PATENT-3,588,483	c 08	N71-33110 *	US-PATENT-3,612,391	c 11	N72-22245 *	US-PATENT-3,632,996	c 08	N72-20176 *
US-PATENT-3,588,648	c 07	N71-33613 *	US-PATENT-3,612,442	c 28	N72-22769 *	US-PATENT-3,633,048	c 10	N72-20221 *
US-PATENT-3,588,671	c 09	N71-33109 *	US-PATENT-3,612,645	c 14	N72-22441 *	US-PATENT-3,633,110	c 07	N72-20141 *
US-PATENT-3,588,705	c 07	N71-33696 *	US-PATENT-3,612,743	c 09	N72-22198 *	US-PATENT-3,634,383	c 27	N73-22710 *
US-PATENT-3,588,751	c 07	N71-33606 *	US-PATENT-3,612,895	c 09	N72-22197 *	US-PATENT-3,635,216	c 05	N72-20096 *
US-PATENT-3,588,874	c 09	N71-33519 *	US-PATENT-3,613,110	c 08	N72-21199 *	US-PATENT-3,635,597	c 33	N80-14330 *
US-PATENT-3,588,883	c 10	N71-33407 *	US-PATENT-3,613,111	c 08	N72-21200 *	US-PATENT-3,635,765	c 03	N72-20034 *
US-PATENT-3,591,420	c 03	N71-33409 *	US-PATENT-3,613,370	c 28	N72-22770 *	US-PATENT-3,636,539	c 03	N72-20031 *
US-PATENT-3,591,426	c 17	N71-33408 *	US-PATENT-3,613,454	c 35	N77-27368 *	US-PATENT-3,636,564	c 05	N72-22092 *
US-PATENT-3,591,885	c 15	N72-11390 *	US-PATENT-3,613,457	c 15	N72-22482 *	US-PATENT-3,636,623	c 15	N72-20444 *
US-PATENT-3,591,960	c 15	N72-12409 *	US-PATENT-3,613,794	c 12	N72-21310 *	US-PATENT-3,636,711	c 28	N72-20758 *
US-PATENT-3,591,967	c 28	N72-11709 *	US-PATENT-3,614,228	c 14	N72-21409 *	US-PATENT-3,636,966	c 05	N72-20097 *
US-PATENT-3,592,422	c 15	N72-11391 *	US-PATENT-3,614,327	c 08	N72-22162 *	US-PATENT-3,637,051	c 15	N72-20443 *
US-PATENT-3,592,478	c 09	N72-11224 *	US-PATENT-3,614,343	c 07	N72-21119 *	US-PATENT-3,637,170	c 21	N72-21624 *
US-PATENT-3,592,505	c 05	N72-11085 *	US-PATENT-3,614,431	c 14	N72-21408 *	US-PATENT-3,637,312	c 14	N72-20379 *
US-PATENT-3,592,545	c 14	N72-11364 *	US-PATENT-3,614,475	c 10	N72-16172 *	US-PATENT-3,637,842	c 06	N72-20121 *
US-PATENT-3,592,559	c 02	N72-11018 *	US-PATENT-3,614,557	c 26	N72-21701 *	US-PATENT-3,638,002	c 08	N72-21197 *
US-PATENT-3,592,628	c 15	N72-11387 *	US-PATENT-3,614,587	c 09	N72-22196 *	US-PATENT-3,638,066	c 10	N72-20225 *
US-PATENT-3,592,768	c 15	N72-11389 *	US-PATENT-3,614,648	c 09	N72-21247 *	US-PATENT-3,638,103	c 09	N72-21243 *
US-PATENT-3,593,001	c 15	N72-11392 *	US-PATENT-3,614,772	c 08	N72-22163 *	US-PATENT-3,638,114	c 10	N72-20222 *
US-PATENT-3,593,024	c 24	N72-11595 *	US-PATENT-3,614,898	c 15	N72-21462 *	US-PATENT-3,638,224	c 09	N72-21244 *
US-PATENT-3,593,132	c 09	N72-11225 *	US-PATENT-3,614,899	c 09	N72-22195 *	US-PATENT-3,639,250	c 14	N72-22443 *
US-PATENT-3,593,138	c 07	N72-11149 *	US-PATENT-3,615,021	c 15	N72-22483 *	US-PATENT-3,639,510	c 06	N72-22107 *

REPORT NUMBER INDEX

US-PATENT-3,736,764

US-PATENT-3,639,809	c 15	N72-22486 * #	US-PATENT-3,667,010	c 26	N72-25679 * #	US-PATENT-3,702,532	c 15	N73-13467 * #
US-PATENT-3,639,835	c 14	N72-22442 * #	US-PATENT-3,667,039	c 26	N72-25680 * #	US-PATENT-3,702,536	c 28	N73-13773 * #
US-PATENT-3,640,256	c 28	N72-22772 * #	US-PATENT-3,667,044	c 07	N72-25171 * #	US-PATENT-3,702,575	c 15	N73-13466 * #
US-PATENT-3,641,470	c 35	N78-17359 * #	US-PATENT-3,668,956	c 15	N72-27485 * #	US-PATENT-3,702,688	c 31	N73-14854 * #
US-PATENT-3,647,276	c 14	N72-22444 * #	US-PATENT-3,669,110	c 05	N72-27103 * #	US-PATENT-3,702,735	c 23	N73-13661 * #
US-PATENT-3,647,529	c 27	N74-23125 * #	US-PATENT-3,669,393	c 15	N72-27484 * #	US-PATENT-3,702,762	c 06	N73-13129 * #
US-PATENT-3,647,924	c 11	N72-23215 * #	US-PATENT-3,670,097	c 23	N72-27728 * #	US-PATENT-3,702,775	c 06	N73-13128 * #
US-PATENT-3,648,043	c 09	N72-23173 * #	US-PATENT-3,670,168	c 14	N72-27409 * #	US-PATENT-3,702,791	c 15	N73-13465 * #
US-PATENT-3,648,083	c 12	N72-25292 * #	US-PATENT-3,670,202	c 14	N72-27411 * #	US-PATENT-3,702,841	c 18	N73-13562 * #
US-PATENT-3,648,152	c 03	N72-23048 * #	US-PATENT-3,670,241	c 14	N72-27408 * #	US-PATENT-3,702,898	c 10	N73-13235 * #
US-PATENT-3,648,209	c 09	N72-27226 * #	US-PATENT-3,670,290	c 09	N72-28225 * #	US-PATENT-3,702,933	c 23	N73-13662 * #
US-PATENT-3,648,250	c 09	N72-25248 * #	US-PATENT-3,670,559	c 33	N72-27959 * #	US-PATENT-3,702,951	c 09	N73-13208 * #
US-PATENT-3,648,256	c 08	N72-25207 * #	US-PATENT-3,670,563	c 14	N72-27412 * #	US-PATENT-3,702,972	c 16	N73-13489 * #
US-PATENT-3,648,275	c 08	N72-25206 * #	US-PATENT-3,670,564	c 11	N72-27262 * #	US-PATENT-3,702,979	c 14	N73-13420 * #
US-PATENT-3,648,461	c 28	N72-23810 * #	US-PATENT-3,670,890	c 05	N72-27102 * #	US-PATENT-3,704,284	c 74	N81-19898 * #
US-PATENT-3,648,516	c 35	N74-22095 * #	US-PATENT-3,671,105	c 26	N72-27784 * #	US-PATENT-3,704,659	c 14	N73-14427 * #
US-PATENT-3,649,242	c 15	N72-25448 * #	US-PATENT-3,671,329	c 14	N72-27410 * #	US-PATENT-3,705,255	c 15	N73-14469 * #
US-PATENT-3,649,353	c 26	N72-28762 * #	US-PATENT-3,671,497	c 06	N72-27144 * #	US-PATENT-3,705,288	c 15	N73-14468 * #
US-PATENT-3,649,356	c 15	N72-25447 * #	US-PATENT-3,671,798	c 10	N72-27246 * #	US-PATENT-3,705,316	c 09	N73-14214 * #
US-PATENT-3,649,462	c 11	N72-25284 * #	US-PATENT-3,672,999	c 03	N72-27053 * #	US-PATENT-3,705,406	c 07	N73-14130 * #
US-PATENT-3,649,907	c 09	N72-23172 * #	US-PATENT-3,673,424	c 09	N72-27227 * #	US-PATENT-3,706,221	c 14	N73-14429 * #
US-PATENT-3,649,921	c 05	N72-23085 * #	US-PATENT-3,673,440	c 09	N72-27228 * #	US-PATENT-3,706,230	c 31	N73-14855 * #
US-PATENT-3,649,935	c 07	N72-25170 * #	US-PATENT-3,675,372	c 14	N72-28436 * #	US-PATENT-3,706,281	c 31	N73-14853 * #
US-PATENT-3,650,095	c 14	N72-23457 * #	US-PATENT-3,675,376	c 15	N72-28496 * #	US-PATENT-3,706,583	c 18	N73-14584 * #
US-PATENT-3,650,474	c 28	N72-23809 * #	US-PATENT-3,675,712	c 03	N72-28025 * #	US-PATENT-3,706,970	c 21	N73-14692 * #
US-PATENT-3,651,008	c 27	N81-24258 * #	US-PATENT-3,675,910	c 17	N72-28535 * #	US-PATENT-3,708,359	c 27	N73-16764 * #
US-PATENT-3,653,052	c 09	N72-25247 * #	US-PATENT-3,675,935	c 15	N72-29488 * #	US-PATENT-3,708,419	c 33	N73-16918 * #
US-PATENT-3,653,882	c 18	N72-25539 * #	US-PATENT-3,676,084	c 17	N72-28536 * #	US-PATENT-3,708,671	c 14	N73-16483 * #
US-PATENT-3,653,970	c 03	N72-24037 * #	US-PATENT-3,676,674	c 14	N72-29464 * #	US-PATENT-3,708,674	c 14	N73-16484 * #
US-PATENT-3,654,036	c 03	N72-25019 * #	US-PATENT-3,676,752	c 26	N72-28761 * #	US-PATENT-3,709,663	c 06	N73-16106 * #
US-PATENT-3,655,814	c 27	N81-15104 * #	US-PATENT-3,676,774	c 10	N72-28240 * #	US-PATENT-3,710,122	c 16	N73-16536 * #
US-PATENT-3,656,313	c 23	N72-25619 * #	US-PATENT-3,676,787	c 16	N72-28521 * #	US-PATENT-3,710,257	c 07	N73-16121 * #
US-PATENT-3,656,317	c 33	N72-25911 * #	US-PATENT-3,676,809	c 09	N72-29172 * #	US-PATENT-3,710,261	c 10	N73-16205 * #
US-PATENT-3,656,352	c 14	N72-25411 * #	US-PATENT-3,678,191	c 10	N72-31273 * #	US-PATENT-3,710,329	c 10	N73-16206 * #
US-PATENT-3,656,781	c 15	N72-25450 * #	US-PATENT-3,678,654	c 06	N72-31140 * #	US-PATENT-3,711,042	c 02	N73-19004 * #
US-PATENT-3,657,190	c 23	N82-29358 * #	US-PATENT-3,678,685	c 21	N72-31637 * #	US-PATENT-3,711,701	c 74	N77-21941 * #
US-PATENT-3,657,549	c 14	N72-25409 * #	US-PATENT-3,678,771	c 37	N74-23070 * #	US-PATENT-3,712,120	c 14	N73-19421 * #
US-PATENT-3,657,644	c 14	N72-24477 * #	US-PATENT-3,679,360	c 04	N72-33072 * #	US-PATENT-3,712,121	c 14	N73-19420 * #
US-PATENT-3,657,928	c 14	N72-25410 * #	US-PATENT-3,679,899	c 06	N72-31141 * #	US-PATENT-3,712,132	c 14	N73-20478 * #
US-PATENT-3,658,295	c 15	N72-25451 * #	US-PATENT-3,680,142	c 09	N72-31235 * #	US-PATENT-3,712,195	c 14	N73-19419 * #
US-PATENT-3,658,569	c 15	N72-25452 * #	US-PATENT-3,680,144	c 07	N72-32169 * #	US-PATENT-3,712,591	c 15	N73-19458 * #
US-PATENT-3,658,608	c 27	N72-25699 * #	US-PATENT-3,680,830	c 15	N72-31483 * #	US-PATENT-3,713,163	c 09	N73-19234 * #
US-PATENT-3,658,974	c 15	N72-24522 * #	US-PATENT-3,681,581	c 08	N72-31226 * #	US-PATENT-3,713,290	c 28	N73-19793 * #
US-PATENT-3,659,043	c 14	N72-25412 * #	US-PATENT-3,686,542	c 14	N72-31446 * #	US-PATENT-3,713,480	c 05	N73-20514 * #
US-PATENT-3,659,053	c 08	N72-25208 * #	US-PATENT-3,690,291	c 15	N72-32487 * #	US-PATENT-3,713,987	c 15	N73-19457 * #
US-PATENT-3,659,148	c 09	N72-25250 * #	US-PATENT-3,692,533	c 05	N72-33096 * #	US-PATENT-3,714,332	c 15	N73-19458 * #
US-PATENT-3,659,184	c 09	N72-25251 * #	US-PATENT-3,693,002	c 25	N72-32688 * #	US-PATENT-3,714,405	c 10	N73-20253 * #
US-PATENT-3,659,225	c 16	N72-25485 * #	US-PATENT-3,693,105	c 10	N72-33230 * #	US-PATENT-3,714,432	c 14	N73-20475 * #
US-PATENT-3,659,292	c 08	N72-25209 * #	US-PATENT-3,693,346	c 15	N72-33477 * #	US-PATENT-3,714,526	c 09	N73-19235 * #
US-PATENT-3,660,240	c 06	N72-25149 * #	US-PATENT-3,693,418	c 14	N72-33377 * #	US-PATENT-3,714,588	c 09	N73-20231 * #
US-PATENT-3,660,434	c 06	N72-25148 * #	US-PATENT-3,694,041	c 15	N72-33476 * #	US-PATENT-3,714,624	c 14	N73-20474 * #
US-PATENT-3,660,704	c 15	N72-25456 * #	US-PATENT-3,694,094	c 14	N72-32452 * #	US-PATENT-3,714,645	c 08	N73-20217 * #
US-PATENT-3,660,851	c 05	N72-25119 * #	US-PATENT-3,694,313	c 24	N72-33681 * #	US-PATENT-3,714,821	c 14	N73-20476 * #
US-PATENT-3,662,337	c 08	N72-25210 * #	US-PATENT-3,694,581	c 08	N72-33172 * #	US-PATENT-3,714,833	c 11	N73-20267 * #
US-PATENT-3,662,441	c 05	N72-25121 * #	US-PATENT-3,694,655	c 25	N72-33696 * #	US-PATENT-3,715,092	c 03	N73-20039 * #
US-PATENT-3,662,547	c 15	N72-25455 * #	US-PATENT-3,694,700	c 09	N72-33205 * #	US-PATENT-3,715,152	c 23	N73-20741 * #
US-PATENT-3,662,604	c 13	N72-25323 * #	US-PATENT-3,694,771	c 07	N72-33146 * #	US-PATENT-3,715,590	c 14	N73-20477 * #
US-PATENT-3,662,661	c 31	N72-25842 * #	US-PATENT-3,694,771	c 09	N73-15235 * #	US-PATENT-3,715,600	c 03	N73-20040 * #
US-PATENT-3,662,744	c 05	N72-25122 * #	US-PATENT-3,695,101	c 11	N73-12264 * #	US-PATENT-3,715,660	c 07	N73-20175 * #
US-PATENT-3,662,973	c 21	N72-25595 * #	US-PATENT-3,696,418	c 09	N73-12211 * #	US-PATENT-3,715,663	c 07	N73-20174 * #
US-PATENT-3,663,346	c 18	N72-25541 * #	US-PATENT-3,696,833	c 11	N73-12265 * #	US-PATENT-3,715,693	c 09	N73-20232 * #
US-PATENT-3,663,347	c 18	N72-25540 * #	US-PATENT-3,697,021	c 15	N73-12486 * #	US-PATENT-3,715,723	c 07	N73-20176 * #
US-PATENT-3,663,464	c 06	N72-25147 * #	US-PATENT-3,697,630	c 15	N73-12489 * #	US-PATENT-3,715,915	c 32	N73-20740 * #
US-PATENT-3,663,521	c 06	N72-25152 * #	US-PATENT-3,697,705	c 35	N77-21392 * #	US-PATENT-3,718,863	c 10	N73-20254 * #
US-PATENT-3,663,753	c 14	N72-25414 * #	US-PATENT-3,697,733	c 08	N73-12176 * #	US-PATENT-3,718,891	c 07	N73-25160 * #
US-PATENT-3,663,828	c 09	N72-25262 * #	US-PATENT-3,697,950	c 08	N73-12177 * #	US-PATENT-3,720,075	c 33	N73-25952 * #
US-PATENT-3,663,839	c 09	N72-25260 * #	US-PATENT-3,697,968	c 21	N73-13644 * #	US-PATENT-3,720,208	c 05	N73-25125 * #
US-PATENT-3,663,843	c 09	N72-25255 * #	US-PATENT-3,698,385	c 05	N73-13114 * #	US-PATENT-3,723,745	c 14	N73-25462 * #
US-PATENT-3,663,885	c 09	N72-25257 * #	US-PATENT-3,698,412	c 14	N73-13418 * #	US-PATENT-3,728,861	c 28	N73-24783 * #
US-PATENT-3,663,886	c 09	N72-25258 * #	US-PATENT-3,698,659	c 11	N73-13257 * #	US-PATENT-3,729,068	c 15	N73-25512 * #
US-PATENT-3,663,929	c 09	N72-25256 * #	US-PATENT-3,698,667	c 02	N73-13008 * #	US-PATENT-3,729,129	c 08	N73-25206 * #
US-PATENT-3,663,938	c 03	N72-25020 * #	US-PATENT-3,698,848	c 15	N73-13464 * #	US-PATENT-3,729,260	c 14	N73-25463 * #
US-PATENT-3,663,940	c 09	N72-25252 * #	US-PATENT-3,699,511	c 21	N73-13643 * #	US-PATENT-3,729,343	c 14	N73-24472 * #
US-PATENT-3,663,941	c 09	N72-25253 * #	US-PATENT-3,699,645	c 14	N73-13417 * #	US-PATENT-3,729,676	c 14	N73-24473 * #
US-PATENT-3,663,944	c 09	N72-25254 * #	US-PATENT-3,699,799	c 15	N73-13463 * #	US-PATENT-3,729,736	c 07	N73-25161 * #
US-PATENT-3,664,185	c 15	N72-26371 * #	US-PATENT-3,699,807	c 14	N73-13416 * #	US-PATENT-3,729,743	c 07	N73-24176 * #
US-PATENT-3,664,874	c 09	N72-25259 * #	US-PATENT-3,699,811	c 14	N73-13415 * #	US-PATENT-3,729,935	c 28	N73-24784 * #
US-PATENT-3,665,064	c 05	N72-25120 * #	US-PATENT-3,700,005	c 15	N73-13462 * #	US-PATENT-3,730,287	c 11	N73-26238 * #
US-PATENT-3,665,307	c 15	N72-25457 * #	US-PATENT-3,700,192	c 31	N73-13898 * #	US-PATENT-3,730,891	c 18	N73-26572 * #
US-PATENT-3,665,313	c 07	N72-25173 * #	US-PATENT-3,700,193	c 30	N73-12884 * #	US-PATENT-3,731,528	c 12	N73-25262 * #
US-PATENT-3,665,417	c 07	N72-25172 * #	US-PATENT-3,700,291	c 15	N73-12488 * #	US-PATENT-3,731,531	c 14	N73-25460 * #
US-PATENT-3,665,467	c 14	N72-28437 * #	US-PATENT-3,700,334	c 14	N73-12446 * #	US-PATENT-3,732,040	c 15	N73-24513 * #
US-PATENT-3,665,481	c 07	N72-25174 * #	US-PATENT-3,700,503	c 14	N73-12447 * #	US-PATENT-3,732,158	c 17	N73-24569 * #
US-PATENT-3,665,589	c 09	N72-25261 * #	US-PATENT-3,700,538	c 18	N73-12604 * #	US-PATENT-3,732,397	c 33	N74-14935 * #
US-PATENT-3,665,669	c 15	N72-25454 * #	US-PATENT-3,700,575	c 15	N73-12467 * #	US-PATENT-3,732,405	c 10	N73-25240 * #
US-PATENT-3,665,670	c 11	N72-25287 * #	US-PATENT-3,700,812	c 14	N73-14428 * #	US-PATENT-3,732,409	c 08	N73-26175 * #
US-PATENT-3,665,750	c 33	N72-25913 * #	US-PATENT-3,700,868	c 10	N73-12244 * #	US-PATENT-3,732,567	c 14	N73-25461 * #
US-PATENT-3,665,751	c 32	N72-25877 * #	US-PATENT-3,700,869	c 09	N73-13209 * #	US-PATENT-3,733,350	c 06	N73-26100 * #
US-PATENT-3,665,758	c 11	N72-25288 * #	US-PATENT-3,700,893	c 08	N73-12175 * #	US-PATENT-3,733,424	c 32	N73-26910 * #
US-PATENT-3,666,051	c 15	N72-25453 * #	US-PATENT-3,700,897	c 14	N73-12444 * #	US-PATENT-3,733,463	c 14	N73-26430 * #
US-PATENT-3,666,120	c 03	N72-25021 * #	US-PATENT-3,700,961	c 14	N73-12445 * #	US-PATENT-3,734,432	c 02	N73-26004 * #
US-PATENT-3,666,566	c 03	N72-26031 * #	US-PATENT-3,701,631	c 23	N73-13660 * #	US-PATENT-3,735,206	c 10	N73-25243 * #
US-PATENT-3,666,631	c 14	N72-25413 * #	US-PATENT-3,701,894	c 17	N73-12547 * #	US-PATENT-3,735,591	c 25	N73-25760 * #

US-PATENT-3,736,849

REPORT NUMBER INDEX

US-PATENT-3,736,849	c 14	N73-26431 * #	US-PATENT-3,758,741	c 15	N73-32358 * #	US-PATENT-3,785,836	c 27	N82-29452 * #
US-PATENT-3,736,938	c 05	N73-27062 * #	US-PATENT-3,758,781	c 14	N73-32317 * #	US-PATENT-3,787,959	c 37	N74-18128 * #
US-PATENT-3,736,956	c 15	N73-26472 * #	US-PATENT-3,758,877	c 16	N73-32391 * #	US-PATENT-3,788,163	c 37	N74-18127 * #
US-PATENT-3,737,117	c 31	N73-26876 * #	US-PATENT-3,759,152	c 14	N73-32319 * #	US-PATENT-3,789,654	c 25	N74-18551 * #
US-PATENT-3,737,118	c 15	N73-25513 * #	US-PATENT-3,759,249	c 05	N73-32015 * #	US-PATENT-3,789,920	c 34	N74-18552 * #
US-PATENT-3,737,121	c 02	N73-26005 * #	US-PATENT-3,759,443	c 28	N73-32606 * #	US-PATENT-3,789,947	c 37	N74-18125 * #
US-PATENT-3,737,181	c 33	N73-26958 * #	US-PATENT-3,759,588	c 15	N73-32359 * #	US-PATENT-3,790,037	c 54	N74-17853 * #
US-PATENT-3,737,217	c 05	N73-26072 * #	US-PATENT-3,759,672	c 14	N73-32320 * #	US-PATENT-3,790,347	c 37	N74-18123 * #
US-PATENT-3,737,231	c 07	N73-26119 * #	US-PATENT-3,759,746	c 09	N73-32108 * #	US-PATENT-3,790,409	c 44	N74-19693 * #
US-PATENT-3,737,237	c 26	N73-26751 * #	US-PATENT-3,759,747	c 44	N74-19692 * #	US-PATENT-3,790,432	c 37	N74-18126 * #
US-PATENT-3,737,639	c 10	N73-26230 * #	US-PATENT-3,759,787	c 22	N73-32528 * #	US-PATENT-3,790,650	c 31	N74-18124 * #
US-PATENT-3,737,676	c 10	N73-26229 * #	US-PATENT-3,760,239	c 09	N73-32112 * #	US-PATENT-3,790,795	c 35	N74-18088 * #
US-PATENT-3,737,757	c 10	N73-26228 * #	US-PATENT-3,760,248	c 10	N73-32145 * #	US-PATENT-3,790,906	c 33	N74-17927 * #
US-PATENT-3,737,762	c 14	N73-28486 * #	US-PATENT-3,760,257	c 09	N73-32109 * #	US-PATENT-3,791,207	c 09	N74-17955 * #
US-PATENT-3,737,776	c 07	N73-26118 * #	US-PATENT-3,760,268	c 14	N73-32318 * #	US-PATENT-3,792,399	c 33	N74-17928 * #
US-PATENT-3,737,781	c 10	N73-25241 * #	US-PATENT-3,760,394	c 10	N73-32144 * #	US-PATENT-3,793,109	c 31	N74-18089 * #
US-PATENT-3,737,815	c 09	N73-26195 * #	US-PATENT-3,762,884	c 17	N73-32414 * #	US-PATENT-3,795,134	c 09	N74-19528 * #
US-PATENT-3,737,824	c 26	N73-26752 * #	US-PATENT-3,762,918	c 17	N73-32415 * #	US-PATENT-3,795,448	c 72	N74-19310 * #
US-PATENT-3,737,905	c 14	N73-26432 * #	US-PATENT-3,763,204	c 06	N73-32030 * #	US-PATENT-3,795,840	c 33	N74-17929 * #
US-PATENT-3,737,912	c 07	N73-26117 * #	US-PATENT-3,763,552	c 26	N73-32571 * #	US-PATENT-3,795,858	c 35	N74-18090 * #
US-PATENT-3,739,646	c 04	N76-26175 * #	US-PATENT-3,763,691	c 14	N73-32327 * #	US-PATENT-3,795,862	c 33	N74-17930 * #
US-PATENT-3,740,671	c 10	N73-27171 * #	US-PATENT-3,763,708	c 35	N74-18323 * #	US-PATENT-3,795,900	c 35	N74-17885 * #
US-PATENT-3,740,725	c 08	N73-26176 * #	US-PATENT-3,763,740	c 11	N73-32152 * #	US-PATENT-3,795,910	c 44	N74-19870 * #
US-PATENT-3,741,001	c 14	N73-27376 * #	US-PATENT-3,763,928	c 33	N73-32818 * #	US-PATENT-3,796,473	c 37	N74-20063 * #
US-PATENT-3,742,316	c 09	N73-27150 * #	US-PATENT-3,764,097	c 02	N74-10034 * #	US-PATENT-3,796,592	c 24	N74-19769 * #
US-PATENT-3,744,128	c 09	N73-28083 * #	US-PATENT-3,764,209	c 14	N73-33361 * #	US-PATENT-3,797,098	c 37	N74-21057 * #
US-PATENT-3,744,148	c 14	N73-28489 * #	US-PATENT-3,764,220	c 16	N73-33397 * #	US-PATENT-3,797,919	c 70	N74-21300 * #
US-PATENT-3,744,247	c 28	N73-27699 * #	US-PATENT-3,764,790	c 33	N74-10223 * #	US-PATENT-3,798,741	c 31	N74-21059 * #
US-PATENT-3,744,294	c 14	N73-27379 * #	US-PATENT-3,764,850	c 33	N74-10195 * #	US-PATENT-3,798,748	c 37	N74-21055 * #
US-PATENT-3,744,305	c 12	N73-28144 * #	US-PATENT-3,764,933	c 33	N74-10194 * #	US-PATENT-3,798,778	c 19	N74-21015 * #
US-PATENT-3,744,320	c 14	N73-28487 * #	US-PATENT-3,765,229	c 35	N74-10415 * #	US-PATENT-3,798,896	c 37	N74-21060 * #
US-PATENT-3,744,480	c 05	N73-27941 * #	US-PATENT-3,765,958	c 26	N74-10521 * #	US-PATENT-3,799,149	c 52	N74-20728 * #
US-PATENT-3,744,510	c 15	N73-27406 * #	US-PATENT-3,766,315	c 32	N74-10132 * #	US-PATENT-3,799,475	c 02	N74-20646 * #
US-PATENT-3,744,738	c 14	N73-27378 * #	US-PATENT-3,766,380	c 35	N74-11284 * #	US-PATENT-3,799,793	c 74	N74-20008 * #
US-PATENT-3,744,739	c 15	N77-10112 * #	US-PATENT-3,767,212	c 37	N74-10474 * #	US-PATENT-3,799,813	c 76	N74-20329 * #
US-PATENT-3,744,794	c 14	N73-27377 * #	US-PATENT-3,769,544	c 31	N78-17238 * #	US-PATENT-3,800,074	c 36	N74-20009 * #
US-PATENT-3,744,912	c 16	N73-30476 * #	US-PATENT-3,769,623	c 32	N74-11000 * #	US-PATENT-3,800,082	c 71	N74-21014 * #
US-PATENT-3,744,913	c 14	N73-28490 * #	US-PATENT-3,769,689	c 37	N74-11301 * #	US-PATENT-3,800,224	c 32	N74-19790 * #
US-PATENT-3,744,972	c 17	N73-27446 * #	US-PATENT-3,769,834	c 52	N74-10975 * #	US-PATENT-3,800,227	c 32	N74-20809 * #
US-PATENT-3,745,082	c 18	N73-30532 * #	US-PATENT-3,770,021	c 33	N74-11050 * #	US-PATENT-3,800,237	c 32	N74-19788 * #
US-PATENT-3,745,089	c 06	N73-27086 * #	US-PATENT-3,770,903	c 35	N74-11283 * #	US-PATENT-3,800,253	c 37	N74-21056 * #
US-PATENT-3,745,090	c 04	N73-27052 * #	US-PATENT-3,771,037	c 37	N74-11300 * #	US-PATENT-3,801,617	c 37	N74-21058 * #
US-PATENT-3,745,149	c 06	N73-27980 * #	US-PATENT-3,771,933	c 08	N74-10942 * #	US-PATENT-3,802,249	c 35	N74-21019 * #
US-PATENT-3,745,255	c 07	N73-28012 * #	US-PATENT-3,771,040	c 33	N74-11049 * #	US-PATENT-3,802,253	c 52	N74-20726 * #
US-PATENT-3,745,300	c 15	N73-28515 * #	US-PATENT-3,771,074	c 36	N74-11313 * #	US-PATENT-3,802,262	c 35	N74-21018 * #
US-PATENT-3,745,352	c 08	N73-30135 * #	US-PATENT-3,771,959	c 25	N74-12813 * #	US-PATENT-3,802,660	c 37	N74-21065 * #
US-PATENT-3,745,357	c 14	N73-28488 * #	US-PATENT-3,772,174	c 27	N74-13270 * #	US-PATENT-3,802,753	c 37	N74-21064 * #
US-PATENT-3,745,410	c 09	N73-30181 * #	US-PATENT-3,772,216	c 27	N74-12812 * #	US-PATENT-3,802,779	c 74	N74-21304 * #
US-PATENT-3,745,475	c 14	N73-30386 * #	US-PATENT-3,772,220	c 27	N74-12814 * #	US-PATENT-3,803,090	c 27	N74-21156 * #
US-PATENT-3,745,739	c 15	N73-27405 * #	US-PATENT-3,772,272	c 33	N74-12887 * #	US-PATENT-3,803,393	c 60	N74-20836 * #
US-PATENT-3,745,816	c 33	N73-27796 * #	US-PATENT-3,772,418	c 31	N74-13177 * #	US-PATENT-3,803,445	c 32	N74-20813 * #
US-PATENT-3,746,998	c 07	N73-30113 * #	US-PATENT-3,772,691	c 32	N74-12912 * #	US-PATENT-3,803,617	c 32	N74-20863 * #
US-PATENT-3,747,111	c 07	N73-28013 * #	US-PATENT-3,773,038	c 52	N74-12778 * #	US-PATENT-3,804,472	c 37	N74-21061 * #
US-PATENT-3,748,722	c 15	N73-33383 * #	US-PATENT-3,773,913	c 46	N74-13011 * #	US-PATENT-3,804,506	c 33	N74-20861 * #
US-PATENT-3,748,853	c 23	N73-30665 * #	US-PATENT-3,775,101	c 37	N74-13179 * #	US-PATENT-3,804,525	c 36	N74-21091 * #
US-PATENT-3,748,905	c 14	N73-30395 * #	US-PATENT-3,775,570	c 35	N78-29421 * #	US-PATENT-3,804,703	c 37	N74-21063 * #
US-PATENT-3,749,123	c 15	N73-30459 * #	US-PATENT-3,776,028	c 35	N74-13129 * #	US-PATENT-3,805,266	c 32	N74-20864 * #
US-PATENT-3,749,156	c 31	N73-30829 * #	US-PATENT-3,776,028	c 37	N74-13178 * #	US-PATENT-3,805,302	c 54	N74-20725 * #
US-PATENT-3,749,205	c 15	N73-30460 * #	US-PATENT-3,776,455	c 04	N74-13420 * #	US-PATENT-3,805,622	c 35	N74-21062 * #
US-PATENT-3,749,332	c 31	N73-32750 * #	US-PATENT-3,777,200	c 33	N74-12913 * #	US-PATENT-3,806,756	c 33	N74-21850 * #
US-PATENT-3,749,362	c 15	N73-30457 * #	US-PATENT-3,777,490	c 20	N74-13502 * #	US-PATENT-3,806,802	c 35	N74-21017 * #
US-PATENT-3,749,831	c 07	N73-30115 * #	US-PATENT-3,777,546	c 35	N74-13132 * #	US-PATENT-3,806,815	c 32	N74-20811 * #
US-PATENT-3,749,911	c 14	N73-30389 * #	US-PATENT-3,777,552	c 38	N74-15130 * #	US-PATENT-3,806,816	c 32	N74-20810 * #
US-PATENT-3,750,016	c 14	N73-30388 * #	US-PATENT-3,777,605	c 39	N74-13131 * #	US-PATENT-3,806,831	c 33	N74-20862 * #
US-PATENT-3,750,035	c 33	N77-13315 * #	US-PATENT-3,777,811	c 34	N78-17336 * #	US-PATENT-3,806,834	c 36	N76-18427 * #
US-PATENT-3,750,067	c 09	N73-30185 * #	US-PATENT-3,777,942	c 54	N74-12779 * #	US-PATENT-3,806,835	c 33	N74-20859 * #
US-PATENT-3,750,131	c 10	N73-32025 * #	US-PATENT-3,778,685	c 33	N74-12951 * #	US-PATENT-3,806,932	c 33	N74-20860 * #
US-PATENT-3,750,168	c 21	N73-30641 * #	US-PATENT-3,778,786	c 60	N74-12888 * #	US-PATENT-3,807,384	c 34	N74-23039 * #
US-PATENT-3,750,479	c 05	N73-30078 * #	US-PATENT-3,778,791	c 36	N74-13205 * #	US-PATENT-3,807,656	c 18	N74-22136 * #
US-PATENT-3,751,123	c 15	N73-30458 * #	US-PATENT-3,779,788	c 70	N74-13436 * #	US-PATENT-3,808,464	c 33	N74-22814 * #
US-PATENT-3,751,727	c 05	N73-32012 * #	US-PATENT-3,780,151	c 31	N74-14133 * #	US-PATENT-3,808,511	c 33	N74-22864 * #
US-PATENT-3,751,733	c 05	N73-32013 * #	US-PATENT-3,780,424	c 44	N74-14784 * #	US-PATENT-3,808,517	c 33	N74-22885 * #
US-PATENT-3,751,913	c 06	N73-30097 * #	US-PATENT-3,780,563	c 35	N74-15092 * #	US-PATENT-3,809,481	c 35	N74-23040 * #
US-PATENT-3,751,980	c 14	N73-32326 * #	US-PATENT-3,780,827	c 07	N74-15453 * #	US-PATENT-3,809,601	c 37	N74-23064 * #
US-PATENT-3,752,556	c 35	N74-17153 * #	US-PATENT-3,780,966	c 19	N74-15089 * #	US-PATENT-3,809,800	c 33	N74-22865 * #
US-PATENT-3,752,559	c 14	N73-30393 * #	US-PATENT-3,781,111	c 36	N74-15145 * #	US-PATENT-3,809,871	c 52	N74-22771 * #
US-PATENT-3,752,564	c 23	N73-30666 * #	US-PATENT-3,781,549	c 35	N74-15090 * #	US-PATENT-3,810,829	c 31	N74-23065 * #
US-PATENT-3,752,665	c 18	N73-32437 * #	US-PATENT-3,781,562	c 35	N74-15091 * #	US-PATENT-3,811,044	c 34	N74-23066 * #
US-PATENT-3,752,847	c 06	N73-30098 * #	US-PATENT-3,781,902	c 35	N74-15831 * #	US-PATENT-3,811,094	c 33	N74-21851 * #
US-PATENT-3,752,986	c 14	N73-30392 * #	US-PATENT-3,781,933	c 54	N74-14845 * #	US-PATENT-3,811,429	c 52	N74-27566 * #
US-PATENT-3,752,993	c 21	N73-30640 * #	US-PATENT-3,781,958	c 37	N74-15128 * #	US-PATENT-3,811,901	c 27	N82-29454 * #
US-PATENT-3,752,996	c 91	N74-13130 * #	US-PATENT-3,782,177	c 38	N74-15395 * #	US-PATENT-3,812,358	c 35	N74-26949 * #
US-PATENT-3,753,148	c 09	N73-32111 * #	US-PATENT-3,782,181	c 34	N74-15652 * #	US-PATENT-3,812,783	c 28	N74-27425 * #
US-PATENT-3,754,236	c 08	N73-32081 * #	US-PATENT-3,782,205	c 35	N74-15094 * #	US-PATENT-3,812,924	c 35	N74-26945 * #
US-PATENT-3,754,263	c 09	N73-32110 * #	US-PATENT-3,782,334	c 51	N74-15778 * #	US-PATENT-3,812,936	c 37	N74-26976 * #
US-PATENT-3,754,976	c 15	N73-32360 * #	US-PATENT-3,782,698	c 35	N74-15093 * #	US-PATENT-3,813,183	c 37	N74-25968 * #
US-PATENT-3,755,265	c 06	N73-33076 * #	US-PATENT-3,782,699	c 35	N74-15126 * #	US-PATENT-3,813,875	c 15	N74-27360 * #
US-PATENT-3,755,283	c 06	N73-32029 * #	US-PATENT-3,782,737	c 37	N74-15125 * #	US-PATENT-3,813,937	c 34	N74-27859 * #
US-PATENT-3,755,686	c 03	N73-31988 * #	US-PATENT-3,782,825	c 35	N74-15146 * #	US-PATENT-3,814,083	c 52	N74-26626 * #
US-PATENT-3,756,920	c 05	N73-32101 * #	US-PATENT-3,782,835	c 74	N74-15095 * #	US-PATENT-3,814,350	c 18	N74-27397 * #
US-PATENT-3,757,183	c 09	N73-32107 * #	US-PATENT-3,782,904	c 35	N74-15127 * #	US-PATENT-3,814,645	c 24	N74-30001 * #
US-PATENT-3,757,476	c 31	N73-32749 * #	US-PATENT-3,783,250	c 62	N74-14920 * #	US-PATENT-3,814,653	c 24	N74-27035 * #
US-PATENT-3,757,568	c 14	N73-32323 * #	US-PATENT-3,783,354	c 33	N74-14956 * #	US-PATENT-3,814,678	c 25	N74-26948 * #
US-PATENT-3,757,659	c 14	N73-32322 * #	US-PATENT-3,783,399	c 33	N74-14939 * #	US-PATENT-3,814,939	c 25	N74-26947 * #
US-PATENT-3,758,112	c 05	N73-32014 * #	US-PATENT-3,783,443					

REPORT NUMBER INDEX

US-PATENT-3,931,447

US-PATENT-3,815,205	c 33	N74-26977 *	#	US-PATENT-3,856,534	c 23	N75-14834 *	#	US-PATENT-3,894,677	c 24	N75-28135 *	#
US-PATENT-3,815,969	c 35	N74-26946 *	#	US-PATENT-3,857,031	c 35	N75-15014 *	#	US-PATENT-3,894,887	c 44	N76-18641 *	#
US-PATENT-3,816,657	c 32	N74-26654 *	#	US-PATENT-3,857,045	c 33	N75-14957 *	#	US-PATENT-3,895,521	c 35	N75-29381 *	#
US-PATENT-3,816,785	c 73	N74-26767 *	#	US-PATENT-3,859,119	c 36	N75-15029 *	#	US-PATENT-3,895,912	c 35	N75-29380 *	#
US-PATENT-3,817,082	c 34	N74-27730 *	#	US-PATENT-3,859,714	c 37	N75-15992 *	#	US-PATENT-3,896,758	c 35	N75-33367 *	#
US-PATENT-3,817,084	c 31	N74-27900 *	#	US-PATENT-3,859,714	c 24	N79-25143 *	#	US-PATENT-3,896,955	c 37	N77-22480 *	#
US-PATENT-3,817,622	c 75	N74-30156 *	#	US-PATENT-3,859,736	c 09	N75-15662 *	#	US-PATENT-3,896,578	c 33	N75-30428 *	#
US-PATENT-3,817,627	c 35	N74-27860 *	#	US-PATENT-3,859,840	c 35	N75-15932 *	#	US-PATENT-3,898,730	c 24	N75-30260 *	#
US-PATENT-3,818,325	c 44	N74-27519 *	#	US-PATENT-3,859,845	c 35	N75-15931 *	#	US-PATENT-3,898,882	c 35	N75-30503 *	#
US-PATENT-3,818,346	c 33	N74-27705 *	#	US-PATENT-3,860,342	c 35	N75-16783 *	#	US-PATENT-3,899,224	c 37	N75-30562 *	#
US-PATENT-3,818,767	c 35	N74-28097 *	#	US-PATENT-3,860,393	c 25	N76-18245 *	#	US-PATENT-3,899,252	c 35	N75-30562 *	#
US-PATENT-3,818,775	c 37	N74-27901 *	#	US-PATENT-3,860,858	c 33	N75-15874 *	#	US-PATENT-3,899,517	c 23	N75-30256 *	#
US-PATENT-3,818,814	c 31	N74-27902 *	#	US-PATENT-3,860,921	c 32	N75-15854 *	#	US-PATENT-3,899,680	c 73	N75-30876 *	#
US-PATENT-3,819,299	c 37	N74-27904 *	#	US-PATENT-3,860,946	c 33	N79-11314 *	#	US-PATENT-3,899,696	c 36	N75-30524 *	#
US-PATENT-3,819,419	c 34	N74-27861 *	#	US-PATENT-3,863,881	c 37	N75-18573 *	#	US-PATENT-3,899,745	c 33	N75-30429 *	#
US-PATENT-3,819,440	c 32	N74-27612 *	#	US-PATENT-3,864,060	c 35	N75-19611 *	#	US-PATENT-3,900,705	c 33	N75-30431 *	#
US-PATENT-3,819,550	c 27	N74-27037 *	#	US-PATENT-3,864,239	c 37	N75-19684 *	#	US-PATENT-3,900,741	c 35	N75-30504 *	#
US-PATENT-3,820,095	c 33	N74-27862 *	#	US-PATENT-3,864,542	c 37	N75-19683 *	#	US-PATENT-3,900,847	c 03	N75-30132 *	#
US-PATENT-3,820,286	c 37	N74-27905 *	#	US-PATENT-3,864,797	c 20	N75-18310 *	#	US-PATENT-3,902,143	c 33	N75-30430 *	#
US-PATENT-3,820,388	c 35	N74-27865 *	#	US-PATENT-3,864,953	c 35	N75-19615 *	#	US-PATENT-3,903,699	c 44	N75-32581 *	#
US-PATENT-3,820,529	c 52	N74-27864 *	#	US-PATENT-3,864,960	c 35	N75-19612 *	#	US-PATENT-3,905,356	c 33	N75-31329 *	#
US-PATENT-3,820,630	c 07	N74-27490 *	#	US-PATENT-3,865,442	c 37	N75-18574 *	#	US-PATENT-3,905,660	c 37	N75-31446 *	#
US-PATENT-3,820,741	c 37	N74-27903 *	#	US-PATENT-3,865,975	c 36	N75-19652 *	#	US-PATENT-3,906,231	c 33	N75-31332 *	#
US-PATENT-3,820,918	c 07	N74-28226 *	#	US-PATENT-3,866,022	c 33	N75-19519 *	#	US-PATENT-3,906,296	c 33	N75-31331 *	#
US-PATENT-3,821,102	c 34	N74-27744 *	#	US-PATENT-3,866,114	c 33	N75-18477 *	#	US-PATENT-3,906,374	c 33	N75-31330 *	#
US-PATENT-3,821,462	c 33	N74-27683 *	#	US-PATENT-3,866,128	c 33	N75-19515 *	#	US-PATENT-3,906,393	c 36	N75-31427 *	#
US-PATENT-3,821,546	c 33	N74-27682 *	#	US-PATENT-3,866,210	c 33	N75-19517 *	#	US-PATENT-3,906,397	c 36	N75-31426 *	#
US-PATENT-3,821,556	c 74	N74-27866 *	#	US-PATENT-3,866,233	c 33	N75-19516 *	#	US-PATENT-3,906,398	c 36	N75-32441 *	#
US-PATENT-3,824,707	c 09	N74-30597 *	#	US-PATENT-3,866,863	c 18	N75-19329 *	#	US-PATENT-3,906,769	c 24	N75-33181 *	#
US-PATENT-3,825,760	c 19	N74-29410 *	#	US-PATENT-3,867,677	c 33	N75-19524 *	#	US-PATENT-3,906,788	c 35	N75-33369 *	#
US-PATENT-3,826,448	c 08	N74-30421 *	#	US-PATENT-3,868,591	c 36	N75-19655 *	#	US-PATENT-3,906,913	c 37	N76-14457 *	#
US-PATENT-3,826,726	c 25	N74-30502 *	#	US-PATENT-3,868,830	c 77	N75-20139 *	#	US-PATENT-3,906,954	c 52	N75-33640 *	#
US-PATENT-3,826,729	c 20	N74-31269 *	#	US-PATENT-3,868,856	c 35	N75-19614 *	#	US-PATENT-3,907,312	c 37	N75-33395 *	#
US-PATENT-3,826,964	c 33	N74-29556 *	#	US-PATENT-3,869,151	c 37	N75-19686 *	#	US-PATENT-3,907,646	c 35	N75-33362 *	#
US-PATENT-3,827,288	c 71	N74-31148 *	#	US-PATENT-3,869,160	c 37	N75-19685 *	#	US-PATENT-3,907,686	c 34	N75-33342 *	#
US-PATENT-3,827,807	c 89	N74-30886 *	#	US-PATENT-3,869,210	c 36	N75-19653 *	#	US-PATENT-3,908,118	c 38	N78-17395 *	#
US-PATENT-3,828,137	c 32	N74-30524 *	#	US-PATENT-3,869,212	c 35	N75-19613 *	#	US-PATENT-3,909,602	c 38	N78-17396 *	#
US-PATENT-3,828,138	c 32	N74-30523 *	#	US-PATENT-3,869,597	c 77	N75-20140 *	#	US-PATENT-3,910,035	c 20	N76-14190 *	#
US-PATENT-3,828,524	c 34	N74-30608 *	#	US-PATENT-3,869,615	c 35	N75-19616 *	#	US-PATENT-3,910,039	c 20	N76-14191 *	#
US-PATENT-3,829,237	c 07	N74-31270 *	#	US-PATENT-3,869,624	c 33	N75-18479 *	#	US-PATENT-3,910,257	c 52	N76-14757 *	#
US-PATENT-3,829,839	c 60	N76-18800 *	#	US-PATENT-3,869,659	c 33	N75-19522 *	#	US-PATENT-3,910,307	c 37	N76-14463 *	#
US-PATENT-3,830,060	c 44	N74-33379 *	#	US-PATENT-3,869,667	c 33	N75-19521 *	#	US-PATENT-3,910,533	c 18	N76-14186 *	#
US-PATENT-3,830,094	c 35	N74-32879 *	#	US-PATENT-3,869,676	c 33	N75-19520 *	#	US-PATENT-3,910,814	c 24	N76-14204 *	#
US-PATENT-3,830,335	c 07	N74-32418 *	#	US-PATENT-3,869,680	c 36	N75-19654 *	#	US-PATENT-3,911,260	c 35	N76-14431 *	#
US-PATENT-3,830,431	c 07	N74-33218 *	#	US-PATENT-3,869,779	c 26	N75-19408 *	#	US-PATENT-3,911,333	c 33	N76-14373 *	#
US-PATENT-3,830,552	c 37	N74-32921 *	#	US-PATENT-3,872,395	c 33	N75-19518 *	#	US-PATENT-3,912,540	c 44	N76-14600 *	#
US-PATENT-3,830,609	c 31	N74-32920 *	#	US-PATENT-3,874,240	c 35	N75-25122 *	#	US-PATENT-3,912,541	c 44	N76-14601 *	#
US-PATENT-3,830,673	c 28	N74-33209 *	#	US-PATENT-3,874,635	c 37	N75-25185 *	#	US-PATENT-3,912,999	c 44	N76-18643 *	#
US-PATENT-3,831,098	c 33	N74-32711 *	#	US-PATENT-3,874,677	c 37	N75-21631 *	#	US-PATENT-3,914,950	c 31	N76-14284 *	#
US-PATENT-3,831,117	c 33	N74-32712 *	#	US-PATENT-3,875,332	c 32	N75-21486 *	#	US-PATENT-3,914,969	c 37	N76-14461 *	#
US-PATENT-3,831,142	c 32	N74-32598 *	#	US-PATENT-3,875,394	c 33	N75-26243 *	#	US-PATENT-3,914,991	c 35	N76-14430 *	#
US-PATENT-3,832,290	c 20	N74-32919 *	#	US-PATENT-3,875,404	c 35	N75-23910 *	#	US-PATENT-3,914,997	c 35	N76-14429 *	#
US-PATENT-3,832,735	c 54	N74-32546 *	#	US-PATENT-3,875,435	c 20	N75-24837 *	#	US-PATENT-3,915,012	c 54	N76-14804 *	#
US-PATENT-3,832,764	c 37	N74-32918 *	#	US-PATENT-3,875,500	c 35	N75-21582 *	#	US-PATENT-3,915,148	c 44	N76-14602 *	#
US-PATENT-3,832,781	c 35	N74-32877 *	#	US-PATENT-3,875,584	c 32	N75-21485 *	#	US-PATENT-3,915,416	c 15	N76-14158 *	#
US-PATENT-3,832,903	c 35	N74-32878 *	#	US-PATENT-3,877,833	c 37	N75-25186 *	#	US-PATENT-3,915,482	c 37	N76-14460 *	#
US-PATENT-3,833,322	c 31	N74-32917 *	#	US-PATENT-3,878,464	c 32	N75-24981 *	#	US-PATENT-3,915,572	c 36	N76-14447 *	#
US-PATENT-3,833,336	c 25	N74-33378 *	#	US-PATENT-3,881,132	c 33	N77-21315 *	#	US-PATENT-3,916,060	c 27	N76-15310 *	#
US-PATENT-3,833,857	c 33	N74-32660 *	#	US-PATENT-3,882,417	c 36	N78-17366 *	#	US-PATENT-3,916,084	c 33	N76-14371 *	#
US-PATENT-3,835,318	c 35	N74-34857 *	#	US-PATENT-3,882,530	c 76	N75-25730 *	#	US-PATENT-3,916,187	c 35	N76-14331 *	#
US-PATENT-3,837,285	c 85	N74-34672 *	#	US-PATENT-3,882,634	c 51	N75-25503 *	#	US-PATENT-3,916,316	c 32	N76-14321 *	#
US-PATENT-3,837,908	c 76	N79-16678 *	#	US-PATENT-3,882,719	c 14	N75-24794 *	#	US-PATENT-3,916,380	c 60	N76-14818 *	#
US-PATENT-3,840,829	c 33	N74-34638 *	#	US-PATENT-3,882,732	c 12	N75-24774 *	#	US-PATENT-3,916,761	c 75	N76-14931 *	#
US-PATENT-3,841,973	c 35	N75-12272 *	#	US-PATENT-3,882,846	c 05	N75-24716 *	#	US-PATENT-3,919,014	c 24	N76-14203 *	#
US-PATENT-3,842,485	c 37	N75-12326 *	#	US-PATENT-3,883,095	c 07	N75-24736 *	#	US-PATENT-3,919,710	c 33	N76-14372 *	#
US-PATENT-3,842,509	c 35	N75-12273 *	#	US-PATENT-3,883,215	c 35	N75-25124 *	#	US-PATENT-3,920,339	c 27	N76-14264 *	#
US-PATENT-3,842,656	c 76	N75-12810 *	#	US-PATENT-3,883,436	c 74	N75-25706 *	#	US-PATENT-3,920,413	c 44	N76-14595 *	#
US-PATENT-3,845,466	c 74	N81-19896 *	#	US-PATENT-3,883,689	c 35	N75-25123 *	#	US-PATENT-3,920,416	c 44	N76-18642 *	#
US-PATENT-3,846,243	c 25	N75-12086 *	#	US-PATENT-3,883,785	c 09	N75-24758 *	#	US-PATENT-3,922,930	c 37	N76-15457 *	#
US-PATENT-3,847,115	c 31	N75-12161 *	#	US-PATENT-3,883,812	c 33	N75-25041 *	#	US-PATENT-3,923,166	c 37	N76-15460 *	#
US-PATENT-3,847,141	c 35	N75-12271 *	#	US-PATENT-3,883,817	c 33	N75-25040 *	#	US-PATENT-3,924,068	c 32	N76-16249 *	#
US-PATENT-3,847,208	c 34	N75-12222 *	#	US-PATENT-3,883,872	c 32	N75-24982 *	#	US-PATENT-3,924,137	c 72	N76-15860 *	#
US-PATENT-3,847,652	c 25	N75-12087 *	#	US-PATENT-3,884,432	c 05	N75-25914 *	#	US-PATENT-3,924,164	c 33	N76-15373 *	#
US-PATENT-3,847,689	c 74	N75-12732 *	#	US-PATENT-3,884,765	c 35	N75-27330 *	#	US-PATENT-3,924,176	c 35	N76-16390 *	#
US-PATENT-3,848,190	c 35	N75-12270 *	#	US-PATENT-3,887,233	c 05	N75-25915 *	#	US-PATENT-3,924,183	c 33	N76-16331 *	#
US-PATENT-3,849,554	c 52	N75-15270 *	#	US-PATENT-3,887,365	c 35	N75-26334 *	#	US-PATENT-3,924,200	c 35	N76-15436 *	#
US-PATENT-3,849,668	c 54	N75-12616 *	#	US-PATENT-3,887,365	c 37	N75-26371 *	#	US-PATENT-3,924,237	c 32	N76-15330 *	#
US-PATENT-3,849,720	c 33	N77-26387 *	#	US-PATENT-3,888,362	c 54	N75-27758 *	#	US-PATENT-3,924,239	c 35	N76-15435 *	#
US-PATENT-3,849,865	c 37	N75-13261 *	#	US-PATENT-3,888,410	c 34	N75-26282 *	#	US-PATENT-3,924,267	c 35	N76-16391 *	#
US-PATENT-3,849,875	c 35	N75-13213 *	#	US-PATENT-3,888,561	c 35	N75-27328 *	#	US-PATENT-3,924,444	c 35	N76-15432 *	#
US-PATENT-3,849,877	c 24	N75-13032 *	#	US-PATENT-3,888,705	c 25	N75-26043 *	#	US-PATENT-3,925,104	c 35	N76-15434 *	#
US-PATENT-3,850,169	c 54	N75-13531 *	#	US-PATENT-3,889,064	c 32	N75-26195 *	#	US-PATENT-3,925,312	c 23	N76-15268 *	#
US-PATENT-3,850,388	c 05	N75-12930 *	#	US-PATENT-3,889,122	c 37	N75-26372 *	#	US-PATENT-3,926,482	c 37	N76-15461 *	#
US-PATENT-3,850,567	c 31	N75-13111 *	#	US-PATENT-3,889,155	c 33	N75-26244 *	#	US-PATENT-3,926,567	c 27	N76-15311 *	#
US-PATENT-3,850,754	c 51	N75-13502 *	#	US-PATENT-3,889,182	c 33	N75-26245 *	#	US-PATENT-3,927,227	c 12	N76-15189 *	#
US-PATENT-3,851,162	c 60	N75-13539 *	#	US-PATENT-3,889,182	c 33	N75-26246 *	#	US-PATENT-3,927,324	c 35	N76-15433 *	#
US-PATENT-3,851,238	c 33	N75-13139 *	#	US-PATENT-3,889,264	c 32	N75-26194 *	#	US-PATENT-3,927,408	c 32	N76-15329 *	#
US-PATENT-3,8											

US-PATENT-3,931,456	c 33	N76-16332 *	#	US-PATENT-3,971,930	c 74	N76-30053 *	#	US-PATENT-4,011,756	c 35	N77-20400 *	#
US-PATENT-3,931,462	c 45	N76-17656 *	#	US-PATENT-3,971,940	c 35	N76-29551 *	#	US-PATENT-4,011,854	c 35	N77-20401 *	#
US-PATENT-3,931,516	c 35	N76-16393 *	#	US-PATENT-3,972,008	c 36	N76-29575 *	#	US-PATENT-4,012,018	c 35	N77-20399 *	#
US-PATENT-3,931,532	c 44	N76-16612 *	#	US-PATENT-3,972,038	c 17	N76-29347 *	#	US-PATENT-4,012,123	c 74	N77-20882 *	#
US-PATENT-3,932,262	c 25	N79-10163 *	#	US-PATENT-3,972,651	c 44	N76-29701 *	#	US-PATENT-4,012,237	c 26	N77-20201 *	#
US-PATENT-3,936,927	c 37	N76-19437 *	#	US-PATENT-3,972,727	c 44	N76-29699 *	#	US-PATENT-4,012,696	c 32	N77-20289 *	#
US-PATENT-3,937,055	c 37	N76-18454 *	#	US-PATENT-3,976,997	c 62	N76-31946 *	#	US-PATENT-4,014,745	c 51	N77-22794 *	#
US-PATENT-3,937,212	c 33	N76-19338 *	#	US-PATENT-3,977,147	c 39	N76-31562 *	#	US-PATENT-4,014,798	c 25	N81-17187 *	#
US-PATENT-3,937,215	c 52	N76-19785 *	#	US-PATENT-3,977,197	c 44	N76-31667 *	#	US-PATENT-4,017,959	c 37	N77-23482 *	#
US-PATENT-3,937,387	c 37	N76-18455 *	#	US-PATENT-3,977,231	c 35	N76-31489 *	#	US-PATENT-4,018,080	c 35	N77-22450 *	#
US-PATENT-3,937,533	c 37	N76-18459 *	#	US-PATENT-3,977,771	c 74	N76-31998 *	#	US-PATENT-4,018,085	c 35	N77-22449 *	#
US-PATENT-3,937,555	c 35	N76-18402 *	#	US-PATENT-3,977,787	c 35	N76-31490 *	#	US-PATENT-4,018,092	c 37	N77-22482 *	#
US-PATENT-3,937,661	c 37	N76-18456 *	#	US-PATENT-3,977,831	c 45	N76-31714 *	#	US-PATENT-4,018,409	c 37	N77-23483 *	#
US-PATENT-3,937,945	c 74	N76-18913 *	#	US-PATENT-3,978,187	c 37	N76-31524 *	#	US-PATENT-4,018,423	c 54	N77-21844 *	#
US-PATENT-3,938,035	c 33	N76-19339 *	#	US-PATENT-3,978,287	c 32	N76-31372 *	#	US-PATENT-4,018,532	c 74	N77-22951 *	#
US-PATENT-3,938,037	c 26	N76-18257 *	#	US-PATENT-3,978,360	c 33	N76-31409 *	#	US-PATENT-4,018,533	c 74	N77-22950 *	#
US-PATENT-3,938,162	c 32	N76-18295 *	#	US-PATENT-3,978,364	c 31	N76-31365 *	#	US-PATENT-4,018,649	c 51	N77-25769 *	#
US-PATENT-3,938,182	c 33	N76-18353 *	#	US-PATENT-3,978,410	c 03	N76-32140 *	#	US-PATENT-4,018,971	c 44	N77-22606 *	#
US-PATENT-3,938,188	c 33	N76-18345 *	#	US-PATENT-3,978,417	c 36	N76-31512 *	#	US-PATENT-4,019,179	c 32	N77-21267 *	#
US-PATENT-3,938,367	c 35	N76-18401 *	#	US-PATENT-3,978,490	c 33	N76-32457 *	#	US-PATENT-4,019,868	c 44	N77-22607 *	#
US-PATENT-3,938,373	c 35	N76-18400 *	#	US-PATENT-3,982,910	c 44	N77-10636 *	#	US-PATENT-4,020,632	c 07	N77-23106 *	#
US-PATENT-3,938,742	c 07	N76-18117 *	#	US-PATENT-3,983,695	c 20	N77-10148 *	#	US-PATENT-4,023,266	c 33	N77-22950 *	#
US-PATENT-3,938,892	c 74	N76-19935 *	#	US-PATENT-3,983,714	c 31	N77-10229 *	#	US-PATENT-4,025,327	c 35	N77-24455 *	#
US-PATENT-3,938,956	c 35	N76-18403 *	#	US-PATENT-3,983,749	c 09	N77-10071 *	#	US-PATENT-4,025,783	c 74	N77-26942 *	#
US-PATENT-3,939,048	c 37	N76-18458 *	#	US-PATENT-3,983,753	c 52	N77-10780 *	#	US-PATENT-4,025,866	c 33	N77-24375 *	#
US-PATENT-3,939,439	c 36	N76-18428 *	#	US-PATENT-3,983,780	c 28	N77-10213 *	#	US-PATENT-4,025,875	c 36	N77-25499 *	#
US-PATENT-3,940,097	c 34	N76-18364 *	#	US-PATENT-3,983,933	c 34	N77-10463 *	#	US-PATENT-4,025,876	c 71	N77-26919 *	#
US-PATENT-3,940,621	c 34	N76-18374 *	#	US-PATENT-3,984,070	c 02	N77-10001 *	#	US-PATENT-4,025,891	c 35	N77-24454 *	#
US-PATENT-3,941,355	c 37	N76-19436 *	#	US-PATENT-3,984,072	c 15	N77-10113 *	#	US-PATENT-4,025,950	c 32	N77-24328 *	#
US-PATENT-3,942,398	c 37	N76-20480 *	#	US-PATENT-3,984,256	c 44	N77-10635 *	#	US-PATENT-4,025,964	c 52	N77-25772 *	#
US-PATENT-3,943,368	c 74	N76-20958 *	#	US-PATENT-3,984,634	c 32	N77-10392 *	#	US-PATENT-4,026,527	c 34	N77-24423 *	#
US-PATENT-3,943,442	c 76	N76-20994 *	#	US-PATENT-3,984,671	c 43	N77-10584 *	#	US-PATENT-4,026,655	c 36	N77-25501 *	#
US-PATENT-3,943,763	c 04	N76-20114 *	#	US-PATENT-3,984,681	c 35	N77-10492 *	#	US-PATENT-4,027,212	c 33	N77-26386 *	#
US-PATENT-3,944,485	c 25	N81-19244 *	#	US-PATENT-3,984,685	c 47	N77-10753 *	#	US-PATENT-4,027,265	c 32	N77-24331 *	#
US-PATENT-3,945,801	c 45	N76-21742 *	#	US-PATENT-3,984,686	c 35	N77-10493 *	#	US-PATENT-4,027,273	c 36	N77-25502 *	#
US-PATENT-3,945,879	c 37	N76-21554 *	#	US-PATENT-3,984,730	c 33	N77-10429 *	#	US-PATENT-4,027,494	c 35	N78-12390 *	#
US-PATENT-3,947,281	c 27	N82-29455 *	#	US-PATENT-3,984,799	c 33	N77-10428 *	#	US-PATENT-4,027,524	c 09	N77-27131 *	#
US-PATENT-3,947,933	c 20	N76-21276 *	#	US-PATENT-3,985,454	c 74	N77-10899 *	#	US-PATENT-4,028,939	c 34	N77-27345 *	#
US-PATENT-3,948,102	c 33	N76-21390 *	#	US-PATENT-3,987,630	c 37	N77-12402 *	#	US-PATENT-4,029,470	c 51	N77-27677 *	#
US-PATENT-3,948,470	c 20	N76-21275 *	#	US-PATENT-3,988,561	c 37	N77-11397 *	#	US-PATENT-4,029,500	c 24	N77-27187 *	#
US-PATENT-3,949,206	c 32	N76-21366 *	#	US-PATENT-3,988,677	c 32	N77-12240 *	#	US-PATENT-4,029,838	c 24	N77-27188 *	#
US-PATENT-3,949,400	c 17	N76-21250 *	#	US-PATENT-3,988,716	c 60	N77-12721 *	#	US-PATENT-4,030,047	c 35	N77-27366 *	#
US-PATENT-3,949,404	c 32	N76-21365 *	#	US-PATENT-3,988,729	c 32	N77-12239 *	#	US-PATENT-4,030,348	c 39	N78-10493 *	#
US-PATENT-3,950,729	c 60	N76-21914 *	#	US-PATENT-3,988,933	c 35	N77-19385 *	#	US-PATENT-4,031,389	c 36	N77-26477 *	#
US-PATENT-3,951,129	c 44	N76-22657 *	#	US-PATENT-3,989,136	c 37	N77-19457 *	#	US-PATENT-4,032,089	c 24	N77-28225 *	#
US-PATENT-3,952,083	c 27	N76-22376 *	#	US-PATENT-3,989,206	c 09	N77-19076 *	#	US-PATENT-4,032,089	c 27	N81-14077 *	#
US-PATENT-3,952,590	c 09	N76-23273 *	#	US-PATENT-3,989,541	c 44	N77-19571 *	#	US-PATENT-4,033,119	c 07	N77-28118 *	#
US-PATENT-3,952,971	c 02	N76-22154 *	#	US-PATENT-3,989,602	c 24	N77-19171 *	#	US-PATENT-4,033,133	c 28	N80-10374 *	#
US-PATENT-3,952,976	c 37	N76-22540 *	#	US-PATENT-3,990,049	c 60	N77-19760 *	#	US-PATENT-4,033,182	c 39	N77-28511 *	#
US-PATENT-3,952,980	c 19	N76-22284 *	#	US-PATENT-3,990,860	c 27	N77-13217 *	#	US-PATENT-4,033,286	c 25	N79-28253 *	#
US-PATENT-3,952,998	c 20	N76-22296 *	#	US-PATENT-3,990,987	c 37	N77-13418 *	#	US-PATENT-4,033,316	c 33	N77-28385 *	#
US-PATENT-3,953,038	c 37	N76-22541 *	#	US-PATENT-3,994,128	c 07	N77-14025 *	#	US-PATENT-4,033,334	c 52	N77-28717 *	#
US-PATENT-3,953,343	c 24	N76-22309 *	#	US-PATENT-3,995,324	c 52	N77-14735 *	#	US-PATENT-4,033,349	c 52	N77-28716 *	#
US-PATENT-3,953,646	c 27	N76-22377 *	#	US-PATENT-3,995,476	c 35	N77-14407 *	#	US-PATENT-4,033,479	c 37	N77-28487 *	#
US-PATENT-3,953,674	c 17	N76-22245 *	#	US-PATENT-3,995,522	c 37	N77-14478 *	#	US-PATENT-4,033,503	c 26	N77-29260 *	#
US-PATENT-3,953,734	c 25	N76-22323 *	#	US-PATENT-3,995,621	c 52	N77-14736 *	#	US-PATENT-4,033,504	c 26	N77-28265 *	#
US-PATENT-3,953,792	c 35	N76-22509 *	#	US-PATENT-3,995,644	c 52	N77-14738 *	#	US-PATENT-4,033,705	c 07	N77-27116 *	#
US-PATENT-3,955,034	c 27	N76-23426 *	#	US-PATENT-3,995,789	c 37	N77-14479 *	#	US-PATENT-4,033,882	c 32	N77-28346 *	#
US-PATENT-3,955,941	c 44	N76-29700 *	#	US-PATENT-3,995,877	c 37	N77-14477 *	#	US-PATENT-4,035,037	c 37	N77-28486 *	#
US-PATENT-3,956,032	c 76	N76-25049 *	#	US-PATENT-3,995,960	c 35	N77-14411 *	#	US-PATENT-4,035,062	c 74	N77-28932 *	#
US-PATENT-3,956,050	c 37	N76-24575 *	#	US-PATENT-3,996,064	c 44	N77-14581 *	#	US-PATENT-4,035,065	c 74	N77-28933 *	#
US-PATENT-3,956,233	c 27	N76-24405 *	#	US-PATENT-3,996,067	c 44	N77-14580 *	#	US-PATENT-4,038,705	c 54	N77-30749 *	#
US-PATENT-3,956,833	c 09	N76-24280 *	#	US-PATENT-3,996,070	c 35	N77-14409 *	#	US-PATENT-4,039,489	c 27	N77-31308 *	#
US-PATENT-3,956,919	c 35	N76-24523 *	#	US-PATENT-3,996,455	c 60	N77-14751 *	#	US-PATENT-4,039,946	c 35	N77-30436 *	#
US-PATENT-3,956,932	c 35	N76-24524 *	#	US-PATENT-3,996,462	c 33	N77-14335 *	#	US-PATENT-4,039,000	c 34	N77-30399 *	#
US-PATENT-3,957,030	c 44	N76-23675 *	#	US-PATENT-3,996,464	c 35	N77-14406 *	#	US-PATENT-4,039,347	c 37	N77-30237 *	#
US-PATENT-3,957,037	c 35	N76-24525 *	#	US-PATENT-3,996,468	c 35	N77-14408 *	#	US-PATENT-4,039,754	c 22	N77-30309 *	#
US-PATENT-3,957,044	c 54	N76-24900 *	#	US-PATENT-3,996,471	c 52	N77-14737 *	#	US-PATENT-4,039,925	c 33	N77-30365 *	#
US-PATENT-3,957,104	c 37	N76-23570 *	#	US-PATENT-3,996,506	c 33	N77-14333 *	#	US-PATENT-4,040,041	c 35	N77-31404 *	#
US-PATENT-3,957,675	c 24	N76-24363 *	#	US-PATENT-3,996,532	c 32	N77-14292 *	#	US-PATENT-4,040,750	c 33	N77-31465 *	#
US-PATENT-3,958,188	c 36	N76-24553 *	#	US-PATENT-3,997,848	c 33	N77-14334 *	#	US-PATENT-4,040,867	c 44	N77-31601 *	#
US-PATENT-3,958,238	c 60	N76-23850 *	#	US-PATENT-3,999,886	c 05	N77-17029 *	#	US-PATENT-4,040,940	c 37	N80-14397 *	#
US-PATENT-3,958,553	c 44	N76-24696 *	#	US-PATENT-4,049,930	c 33	N78-10375 *	#	US-PATENT-4,041,233	c 27	N77-30236 *	#
US-PATENT-3,961,997	c 44	N76-28635 *	#	US-PATENT-4,356,157	c 25	N83-33977 *	#	US-PATENT-4,041,391	c 32	N77-30308 *	#
US-PATENT-3,964,306	c 34	N76-27517 *	#	US-PATENT-4,359,503	c 24	N83-33950 *	#	US-PATENT-4,041,697	c 37	N78-10467 *	#
US-PATENT-3,964,319	c 07	N76-27232 *	#	US-PATENT-4,000,682	c 20	N77-17143 *	#	US-PATENT-4,041,910	c 37	N77-31497 *	#
US-PATENT-3,964,813	c 37	N76-27567 *	#	US-PATENT-4,000,929	c 37	N77-17464 *	#	US-PATENT-4,042,926	c 32	N77-31350 *	#
US-PATENT-3,964,902	c 34	N76-27515 *	#	US-PATENT-4,001,552	c 38	N77-17495 *	#	US-PATENT-4,043,668	c 35	N84-33766 *	#
US-PATENT-3,964,928	c 44	N76-27664 *	#	US-PATENT-4,001,602	c 33	N77-17354 *	#	US-PATENT-4,043,753	c 36	N77-32478 *	#
US-PATENT-3,965,096	c 27	N76-32315 *	#	US-PATENT-4,003,004	c 33	N77-17351 *	#	US-PATENT-4,044,753	c 44	N77-32582 *	#
US-PATENT-3,965,354	c 33	N76-27473 *	#	US-PATENT-4,003,084	c 35	N77-17426 *	#	US-PATENT-4,044,821	c 44	N77-32581 *	#
US-PATENT-3,965,475	c 33	N76-27472 *	#	US-PATENT-4,003,257	c 23	N77-17161 *	#	US-PATENT-4,045,063	c 37	N77-32499 *	#
US-PATENT-3,966,499	c 44	N76-31666 *	#	US-PATENT-4,004,292	c 74	N77-18893 *	#	US-PATENT-4,045,149	c 07	N77-32148 *	#
US-PATENT-3,966,547	c 25	N76-27383 *	#	US-PATENT-4,005,574	c 07	N77-17059 *	#	US-PATENT-4,045,247	c 35	N77-32454 *	#
US-PATENT-3,967,091	c 37	N76-27568 *	#	US-PATENT-4,006,631	c 04	N77-19056 *	#	US-PATENT-4,045,255	c 26	N77-32279 *	#
US-PATENT-3,971,230	c 37	N76-29590 *	#	US-PATENT-4,006,999	c 24	N77-19170 *	#	US-PATENT-4,045,315	c 44	N77-32580 *	#
US-PATENT-3,971,256	c 91	N76-30131 *	#	US-PATENT-4,007,430	c 36	N77-19416 *	#	US-PATENT-4,045,359	c 25	N77-32255 *	#
US-PATENT-3,9											

REPORT NUMBER INDEX

US-PATENT-4,142,101

US-PATENT-4,046,529	c 54	N77-32722 *	#	US-PATENT-4,082,569	c 44	N78-25527 *	#	US-PATENT-4,109,213	c 33	N79-22373 *	#
US-PATENT-4,046,560	c 26	N77-32280 *	#	US-PATENT-4,083,097	c 44	N78-25528 *	#	US-PATENT-4,109,644	c 52	N79-18580 *	#
US-PATENT-4,046,617	c 76	N77-32919 *	#	US-PATENT-4,083,181	c 07	N78-25089 *	#	US-PATENT-4,110,683	c 33	N79-18193 *	#
US-PATENT-4,046,619	c 27	N77-32308 *	#	US-PATENT-4,083,380	c 37	N78-25426 *	#	US-PATENT-4,110,703	c 36	N79-18307 *	#
US-PATENT-4,047,840	c 37	N78-10468 *	#	US-PATENT-4,083,520	c 15	N78-25119 *	#	US-PATENT-4,111,041	c 35	N79-14345 *	#
US-PATENT-4,051,558	c 52	N78-10686 *	#	US-PATENT-4,083,765	c 35	N78-25391 *	#	US-PATENT-4,111,058	c 35	N79-14347 *	#
US-PATENT-4,051,834	c 44	N78-10554 *	#	US-PATENT-4,084,124	c 44	N78-25531 *	#	US-PATENT-4,111,068	c 37	N79-14382 *	#
US-PATENT-4,051,877	c 35	N78-10428 *	#	US-PATENT-4,084,132	c 33	N78-25319 *	#	US-PATENT-4,111,184	c 44	N79-14526 *	#
US-PATENT-4,052,144	c 25	N78-10224 *	#	US-PATENT-4,084,612	c 34	N78-25351 *	#	US-PATENT-4,111,718	c 35	N79-14346 *	#
US-PATENT-4,052,181	c 71	N78-10837 *	#	US-PATENT-4,084,825	c 07	N78-25090 *	#	US-PATENT-4,111,729	c 28	N79-14228 *	#
US-PATENT-4,052,302	c 25	N78-10225 *	#	US-PATENT-4,084,985	c 44	N78-25529 *	#	US-PATENT-4,111,775	c 76	N79-14906 *	#
US-PATENT-4,052,302	c 24	N78-10214 *	#	US-PATENT-4,085,004	c 73	N78-28913 *	#	US-PATENT-4,111,851	c 24	N79-14156 *	#
US-PATENT-4,052,523	c 35	N78-10429 *	#	US-PATENT-4,085,241	c 44	N78-25530 *	#	US-PATENT-4,112,357	c 33	N79-14305 *	#
US-PATENT-4,052,614	c 33	N78-10376 *	#	US-PATENT-4,085,332	c 25	N78-25148 *	#	US-PATENT-4,112,497	c 32	N79-14267 *	#
US-PATENT-4,052,648	c 33	N78-10377 *	#	US-PATENT-4,085,332	c 33	N78-27326 *	#	US-PATENT-4,112,875	c 44	N78-33526 *	#
US-PATENT-4,052,659	c 43	N78-10529 *	#	US-PATENT-4,087,902	c 34	N78-27357 *	#	US-PATENT-4,116,131	c 20	N78-32179 *	#
US-PATENT-4,052,666	c 60	N78-10709 *	#	US-PATENT-4,087,962	c 44	N78-32542 *	#	US-PATENT-4,117,669	c 07	N79-10057 *	#
US-PATENT-4,052,705	c 74	N78-13874 *	#	US-PATENT-4,087,975	c 34	N78-27424 *	#	US-PATENT-4,117,731	c 35	N79-10390 *	#
US-PATENT-4,053,229	c 35	N78-18391 *	#	US-PATENT-4,088,018	c 51	N78-27733 *	#	US-PATENT-4,117,749	c 37	N79-10419 *	#
US-PATENT-4,053,231	c 44	N78-18391 *	#	US-PATENT-4,088,094	c 07	N78-27121 *	#	US-PATENT-4,117,881	c 51	N79-10694 *	#
US-PATENT-4,053,918	c 09	N78-13526 *	#	US-PATENT-4,088,270	c 37	N78-27425 *	#	US-PATENT-4,118,014	c 37	N79-10420 *	#
US-PATENT-4,055,004	c 07	N78-18066 *	#	US-PATENT-4,088,312	c 37	N78-27423 *	#	US-PATENT-4,118,315	c 51	N79-10693 *	#
US-PATENT-4,055,041	c 35	N78-19465 *	#	US-PATENT-4,088,408	c 74	N78-27904 *	#	US-PATENT-4,118,427	c 27	N80-32514 *	#
US-PATENT-4,055,072	c 35	N78-18390 *	#	US-PATENT-4,088,408	c 25	N78-27226 *	#	US-PATENT-4,118,620	c 37	N79-10421 *	#
US-PATENT-4,055,089	c 35	N78-19466 *	#	US-PATENT-4,088,532	c 24	N78-27180 *	#	US-PATENT-4,118,665	c 33	N79-10338 *	#
US-PATENT-4,055,147	c 35	N78-18390 *	#	US-PATENT-4,088,806	c 75	N78-27913 *	#	US-PATENT-4,118,666	c 32	N79-10262 *	#
US-PATENT-4,055,416	c 26	N78-18182 *	#	US-PATENT-4,088,926	c 35	N78-28411 *	#	US-PATENT-4,118,671	c 33	N79-10339 *	#
US-PATENT-4,055,447	c 26	N78-18183 *	#	US-PATENT-4,088,951	c 35	N78-32397 *	#	US-PATENT-4,118,701	c 32	N79-10264 *	#
US-PATENT-4,055,686	c 37	N78-13436 *	#	US-PATENT-4,088,965	c 36	N78-27402 *	#	US-PATENT-4,119,581	c 27	N81-14076 *	#
US-PATENT-4,055,705	c 34	N78-18355 *	#	US-PATENT-4,088,999	c 44	N78-28594 *	#	US-PATENT-4,119,926	c 33	N79-11313 *	#
US-PATENT-4,055,707	c 44	N78-19599 *	#	US-PATENT-4,089,004	c 32	N80-29539 *	#	US-PATENT-4,119,964	c 32	N79-11265 *	#
US-PATENT-4,055,764	c 35	N78-13400 *	#	US-PATENT-4,089,209	c 35	N78-27384 *	#	US-PATENT-4,119,972	c 32	N79-11264 *	#
US-PATENT-4,055,777	c 33	N78-18308 *	#	US-PATENT-4,089,209	c 44	N78-27515 *	#	US-PATENT-4,119,996	c 33	N79-12321 *	#
US-PATENT-4,055,810	c 36	N78-18410 *	#	US-PATENT-4,089,705	c 44	N80-29835 *	#	US-PATENT-4,121,965	c 76	N79-11920 *	#
US-PATENT-4,055,847	c 33	N78-13320 *	#	US-PATENT-4,090,213	c 27	N78-31233 *	#	US-PATENT-4,121,995	c 25	N79-11152 *	#
US-PATENT-4,055,847	c 35	N78-14364 *	#	US-PATENT-4,091,166	c 33	N78-32339 *	#	US-PATENT-4,122,214	c 44	N79-11472 *	#
US-PATENT-4,061,029	c 71	N78-14867 *	#	US-PATENT-4,091,329	c 54	N78-31735 *	#	US-PATENT-4,122,334	c 74	N79-12890 *	#
US-PATENT-4,061,041	c 52	N78-14773 *	#	US-PATENT-4,091,464	c 54	N79-24651 *	#	US-PATENT-4,122,383	c 32	N79-13214 *	#
US-PATENT-4,061,146	c 43	N78-14452 *	#	US-PATENT-4,091,464	c 54	N78-31736 *	#	US-PATENT-4,122,454	c 32	N79-12694 *	#
US-PATENT-4,061,190	c 36	N78-14380 *	#	US-PATENT-4,091,465	c 44	N78-32539 *	#	US-PATENT-4,122,518	c 52	N79-12694 *	#
US-PATENT-4,061,427	c 25	N78-14104 *	#	US-PATENT-4,091,613	c 09	N78-31129 *	#	US-PATENT-4,122,712	c 34	N79-12359 *	#
US-PATENT-4,061,561	c 54	N78-14784 *	#	US-PATENT-4,091,665	c 44	N78-31526 *	#	US-PATENT-4,122,725	c 38	N79-14398 *	#
US-PATENT-4,061,570	c 74	N78-14889 *	#	US-PATENT-4,091,798	c 44	N78-31525 *	#	US-PATENT-4,122,816	c 37	N79-11405 *	#
US-PATENT-4,061,579	c 24	N78-14096 *	#	US-PATENT-4,091,800	c 44	N78-31255 *	#	US-PATENT-4,122,833	c 44	N79-11471 *	#
US-PATENT-4,061,812	c 24	N78-15180 *	#	US-PATENT-4,092,188	c 28	N78-31232 *	#	US-PATENT-4,122,991	c 18	N79-11108 *	#
US-PATENT-4,061,834	c 27	N78-14164 *	#	US-PATENT-4,092,274	c 27	N78-32256 *	#	US-PATENT-4,123,355	c 45	N79-12584 *	#
US-PATENT-4,061,856	c 27	N78-15276 *	#	US-PATENT-4,092,466	c 27	N80-10358 *	#	US-PATENT-4,124,180	c 05	N79-12061 *	#
US-PATENT-4,061,955	c 44	N78-14625 *	#	US-PATENT-4,092,606	c 33	N78-32338 *	#	US-PATENT-4,124,330	c 07	N79-14095 *	#
US-PATENT-4,061,974	c 32	N78-15323 *	#	US-PATENT-4,092,617	c 33	N78-32340 *	#	US-PATENT-4,124,732	c 27	N79-12221 *	#
US-PATENT-4,062,227	c 39	N78-15512 *	#	US-PATENT-4,092,633	c 54	N78-32720 *	#	US-PATENT-4,128,814	c 36	N79-14362 *	#
US-PATENT-4,062,245	c 37	N78-16369 *	#	US-PATENT-4,092,648	c 32	N78-31321 *	#	US-PATENT-4,129,357	c 74	N79-14891 *	#
US-PATENT-4,062,347	c 44	N78-15560 *	#	US-PATENT-4,092,712	c 33	N78-32341 *	#	US-PATENT-4,130,032	c 37	N79-14383 *	#
US-PATENT-4,062,650	c 25	N78-15210 *	#	US-PATENT-4,092,874	c 37	N78-31426 *	#	US-PATENT-4,130,112	c 52	N79-14751 *	#
US-PATENT-4,062,996	c 74	N78-15879 *	#	US-PATENT-4,093,156	c 05	N78-32086 *	#	US-PATENT-4,130,471	c 25	N79-14169 *	#
US-PATENT-4,063,088	c 74	N78-15880 *	#	US-PATENT-4,093,354	c 73	N78-32848 *	#	US-PATENT-4,130,490	c 33	N79-15245 *	#
US-PATENT-4,063,092	c 35	N78-15461 *	#	US-PATENT-4,093,382	c 38	N78-32447 *	#	US-PATENT-4,130,795	c 35	N79-14349 *	#
US-PATENT-4,063,282	c 39	N78-16387 *	#	US-PATENT-4,093,771	c 27	N78-32260 *	#	US-PATENT-4,131,336	c 44	N79-14529 *	#
US-PATENT-4,063,814	c 74	N78-17866 *	#	US-PATENT-4,093,917	c 35	N78-32396 *	#	US-PATENT-4,131,459	c 27	N79-14213 *	#
US-PATENT-4,063,814	c 24	N78-17149 *	#	US-PATENT-4,094,073	c 35	N78-32395 *	#	US-PATENT-4,131,486	c 44	N79-14528 *	#
US-PATENT-4,063,986	c 27	N78-17215 *	#	US-PATENT-4,094,758	c 26	N78-32229 *	#	US-PATENT-4,132,068	c 07	N79-14097 *	#
US-PATENT-4,064,566	c 54	N78-17675 *	#	US-PATENT-4,094,775	c 52	N80-14687 *	#	US-PATENT-4,132,069	c 07	N79-14096 *	#
US-PATENT-4,064,692	c 37	N78-17384 *	#	US-PATENT-4,094,862	c 27	N78-32261 *	#	US-PATENT-4,132,130	c 44	N79-14527 *	#
US-PATENT-4,065,053	c 44	N78-17460 *	#	US-PATENT-4,094,943	c 27	N78-32262 *	#	US-PATENT-4,132,375	c 08	N79-14108 *	#
US-PATENT-4,065,202	c 35	N78-17357 *	#	US-PATENT-4,095,593	c 54	N78-32271 *	#	US-PATENT-4,132,594	c 52	N79-14749 *	#
US-PATENT-4,065,340	c 24	N78-17150 *	#	US-PATENT-4,096,315	c 74	N78-32854 *	#	US-PATENT-4,132,599	c 52	N79-14750 *	#
US-PATENT-4,065,345	c 27	N78-17205 *	#	US-PATENT-4,097,194	c 07	N78-33101 *	#	US-PATENT-4,132,829	c 27	N79-14214 *	#
US-PATENT-4,066,039	c 37	N78-17383 *	#	US-PATENT-4,098,142	c 37	N79-10422 *	#	US-PATENT-4,132,940	c 35	N79-14348 *	#
US-PATENT-4,067,015	c 17	N78-17140 *	#	US-PATENT-4,099,799	c 37	N79-10418 *	#	US-PATENT-4,132,989	c 32	N79-14268 *	#
US-PATENT-4,067,043	c 74	N78-17865 *	#	US-PATENT-4,100,331	c 44	N79-10513 *	#	US-PATENT-4,133,697	c 44	N79-17314 *	#
US-PATENT-4,067,653	c 74	N78-17867 *	#	US-PATENT-4,100,487	c 33	N79-10337 *	#	US-PATENT-4,133,697	c 44	N80-14474 *	#
US-PATENT-4,067,742	c 27	N78-17206 *	#	US-PATENT-4,101,531	c 32	N79-10263 *	#	US-PATENT-4,133,941	c 44	N79-17313 *	#
US-PATENT-4,068,469	c 07	N78-17055 *	#	US-PATENT-4,101,195	c 89	N79-10969 *	#	US-PATENT-4,133,941	c 25	N82-21268 *	#
US-PATENT-4,068,470	c 07	N78-17056 *	#	US-PATENT-4,101,644	c 25	N79-10162 *	#	US-PATENT-4,134,447	c 31	N79-17029 *	#
US-PATENT-4,068,495	c 31	N78-17237 *	#	US-PATENT-4,101,780	c 35	N79-10389 *	#	US-PATENT-4,134,683	c 43	N79-17288 *	#
US-PATENT-4,068,763	c 54	N78-17676 *	#	US-PATENT-4,101,891	c 35	N79-10391 *	#	US-PATENT-4,134,744	c 35	N79-17192 *	#
US-PATENT-4,069,028	c 34	N78-17335 *	#	US-PATENT-4,101,961	c 52	N79-10724 *	#	US-PATENT-4,134,786	c 85	N79-17747 *	#
US-PATENT-4,069,212	c 27	N78-17213 *	#	US-PATENT-4,102,580	c 74	N79-11865 *	#	US-PATENT-4,135,019	c 24	N79-16915 *	#
US-PATENT-4,069,478	c 60	N78-17691 *	#	US-PATENT-4,103,550	c 31	N79-11246 *	#	US-PATENT-4,135,127	c 33	N79-17133 *	#
US-PATENT-4,069,661	c 07	N78-18067 *	#	US-PATENT-4,103,619	c 28	N79-11231 *	#	US-PATENT-4,135,290	c 44	N79-18444 *	#
US-PATENT-4,070,574	c 74	N78-18905 *	#	US-PATENT-4,103,712	c 37	N79-11402 *	#	US-PATENT-4,135,367	c 44	N79-18443 *	#
US-PATENT-4,072,532	c 27	N78-19302 *	#	US-PATENT-4,104,018	c 25	N79-11151 *	#	US-PATENT-4,135,817	c 35	N79-18296 *	#
US-PATENT-4,075,057	c 73	N78-19920 *	#	US-PATENT-4,104,084	c 44	N79-11467 *	#	US-PATENT-4,135,851	c 37	N79-18318 *	#
US-PATENT-4,077,231	c 31	N78-25256 *	#	US-PATENT-4,104,091	c 44	N79-11468 *	#	US-PATENT-4,135,851	c 37	N80-26658 *	#
US-PATENT-4,077,678	c 44	N78-24608 *	#	US-PATENT-4,104,134	c 44	N79-11469 *	#	US-PATENT-4,135,851	c 37	N82-19540 *	#
US-PATENT-4,077,788	c 28	N78-24365 *	#	US-PATENT-4,104,134	c 44	N80-16452 *	#	US-PATENT-4,137,010	c 24	N79-17916 *	#
US-PATENT-4,077,788	c 28	N81-14103 *	#	US-PATENT-4,104,773	c 37	N79-11403 *	#	US-PATENT-4,137,365	c 05	N79-17847 *	#
US-PATENT-4,077,813	c 26	N78-24333 *	#	US-PATENT-4,105,261	c 37	N79-11404 *	#	US-PATENT-4,139,291	c 27	N79-18052 *	#
US-PATENT-4,0											

US-PATENT-4,142,119	c 33	N79-20314 *	#	US-PATENT-4,183,217	c 20	N80-18097 *	#	US-PATENT-4,215,548	c 37	N80-31790 *	#
US-PATENT-4,143,314	c 30	N79-20179 *	#	US-PATENT-4,184,072	c 44	N80-18552 *	#	US-PATENT-4,215,590	c 37	N80-32717 *	#
US-PATENT-4,145,058	c 27	N79-22475 *	#	US-PATENT-4,184,111	c 44	N80-18551 *	#	US-PATENT-4,215,592	c 37	N80-32716 *	#
US-PATENT-4,145,255	c 25	N79-22235 *	#	US-PATENT-4,184,149	c 06	N80-18036 *	#	US-PATENT-4,216,186	c 76	N80-32244 *	#
US-PATENT-4,145,524	c 27	N79-22300 *	#	US-PATENT-4,184,155	c 43	N80-18498 *	#	US-PATENT-4,216,542	c 33	N81-15192 *	#
US-PATENT-4,145,933	c 39	N79-22537 *	#	US-PATENT-4,184,327	c 07	N80-18039 *	#	US-PATENT-4,217,165	c 76	N80-32245 *	#
US-PATENT-4,146,180	c 37	N79-22474 *	#	US-PATENT-4,184,368	c 48	N80-18667 *	#	US-PATENT-4,217,633	c 44	N81-12542 *	#
US-PATENT-4,146,367	c 25	N81-33246 *	#	US-PATENT-4,184,472	c 76	N80-18951 *	#	US-PATENT-4,218,280	c 27	N80-32516 *	#
US-PATENT-4,146,409	c 26	N79-22271 *	#	US-PATENT-4,184,491	c 52	N80-18690 *	#	US-PATENT-4,218,633	c 72	N80-33186 *	#
US-PATENT-4,148,031	c 32	N79-24210 *	#	US-PATENT-4,184,609	c 37	N80-18393 *	#	US-PATENT-4,218,650	c 33	N80-32650 *	#
US-PATENT-4,148,295	c 44	N79-23481 *	#	US-PATENT-4,184,903	c 44	N80-18550 *	#	US-PATENT-4,218,682	c 32	N80-32604 *	#
US-PATENT-4,148,375	c 46	N79-22679 *	#	US-PATENT-4,185,164	c 33	N80-18286 *	#	US-PATENT-4,218,892	c 32	N81-14187 *	#
US-PATENT-4,148,452	c 08	N79-23097 *	#	US-PATENT-4,185,493	c 35	N80-18357 *	#	US-PATENT-4,218,892	c 35	N81-14287 *	#
US-PATENT-4,148,962	c 24	N79-24062 *	#	US-PATENT-4,186,347	c 32	N80-18253 *	#	US-PATENT-4,218,921	c 71	N81-15767 *	#
US-PATENT-4,149,034	c 71	N79-23753 *	#	US-PATENT-4,186,749	c 52	N80-18691 *	#	US-PATENT-4,218,941	c 37	N81-14319 *	#
US-PATENT-4,149,233	c 33	N79-24257 *	#	US-PATENT-4,187,394	c 32	N80-18252 *	#	US-PATENT-4,219,027	c 52	N81-14612 *	#
US-PATENT-4,149,278	c 54	N79-24652 *	#	US-PATENT-4,187,416	c 33	N80-18285 *	#	US-PATENT-4,219,084	c 31	N81-14137 *	#
US-PATENT-4,149,423	c 32	N79-24203 *	#	US-PATENT-4,187,470	c 36	N80-18372 *	#	US-PATENT-4,219,107	c 37	N81-15364 *	#
US-PATENT-4,149,521	c 44	N79-24433 *	#	US-PATENT-4,187,506	c 33	N80-18287 *	#	US-PATENT-4,219,171	c 37	N81-14320 *	#
US-PATENT-4,149,665	c 44	N79-24431 *	#	US-PATENT-4,188,368	c 31	N80-18231 *	#	US-PATENT-4,219,203	c 37	N81-15363 *	#
US-PATENT-4,149,817	c 44	N79-24432 *	#	US-PATENT-4,188,823	c 02	N80-20224 *	#	US-PATENT-4,219,926	c 44	N81-14389 *	#
US-PATENT-4,149,938	c 25	N79-24073 *	#	US-PATENT-4,189,234	c 74	N80-21138 *	#	US-PATENT-4,220,171	c 07	N81-14999 *	#
US-PATENT-4,150,425	c 33	N79-24254 *	#	US-PATENT-4,189,675	c 32	N80-20448 *	#	US-PATENT-4,221,005	c 32	N81-15179 *	#
US-PATENT-4,151,086	c 34	N79-24285 *	#	US-PATENT-4,189,914	c 07	N81-29129 *	#	US-PATENT-4,222,098	c 33	N81-14220 *	#
US-PATENT-4,151,456	c 33	N79-23345 *	#	US-PATENT-4,190,060	c 52	N81-29763 *	#	US-PATENT-4,225,102	c 02	N81-14968 *	#
US-PATENT-4,151,612	c 54	N79-24651 *	#	US-PATENT-4,190,626	c 24	N81-29163 *	#	US-PATENT-4,225,372	c 27	N81-14077 *	#
US-PATENT-4,151,800	c 24	N79-25142 *	#	US-PATENT-4,191,159	c 37	N80-29703 *	#	US-PATENT-4,226,475	c 43	N81-26509 *	#
US-PATENT-4,152,194	c 76	N79-23798 *	#	US-PATENT-4,191,505	c 44	N81-21828 *	#	US-PATENT-4,227,096	c 33	N81-17348 *	#
US-PATENT-4,153,134	c 46	N79-23555 *	#	US-PATENT-4,191,893	c 44	N80-29834 *	#	US-PATENT-4,228,422	c 33	N81-14221 *	#
US-PATENT-4,153,476	c 44	N79-25482 *	#	US-PATENT-4,192,290	c 44	N80-20810 *	#	US-PATENT-4,228,656	c 37	N81-14318 *	#
US-PATENT-4,153,818	c 32	N79-23310 *	#	US-PATENT-4,192,910	c 33	N80-20487 *	#	US-PATENT-4,229,182	c 28	N81-15119 *	#
US-PATENT-4,154,084	c 43	N79-25443 *	#	US-PATENT-4,192,910	c 44	N81-29524 *	#	US-PATENT-4,229,196	c 28	N81-14103 *	#
US-PATENT-4,154,228	c 52	N79-27836 *	#	US-PATENT-4,192,994	c 74	N80-21140 *	#	US-PATENT-4,229,473	c 24	N81-14000 *	#
US-PATENT-4,154,230	c 52	N79-26771 *	#	US-PATENT-4,193,388	c 44	N80-20808 *	#	US-PATENT-4,229,473	c 24	N81-33235 *	#
US-PATENT-4,154,256	c 05	N79-24976 *	#	US-PATENT-4,193,435	c 37	N80-23653 *	#	US-PATENT-4,230,717	c 52	N81-14613 *	#
US-PATENT-4,154,501	c 33	N81-29342 *	#	US-PATENT-4,193,570	c 35	N80-21719 *	#	US-PATENT-4,233,258	c 27	N81-14078 *	#
US-PATENT-4,154,912	c 44	N79-25481 *	#	US-PATENT-4,193,693	c 35	N80-20563 *	#	US-PATENT-4,233,606	c 32	N81-14185 *	#
US-PATENT-4,155,475	c 24	N79-25143 *	#	US-PATENT-4,193,827	c 28	N80-20402 *	#	US-PATENT-4,234,258	c 25	N81-14015 *	#
US-PATENT-4,156,309	c 44	N79-26475 *	#	US-PATENT-4,193,827	c 28	N81-14103 *	#	US-PATENT-4,234,715	c 25	N81-14016 *	#
US-PATENT-4,156,548	c 35	N79-26372 *	#	US-PATENT-4,194,115	c 25	N80-20334 *	#	US-PATENT-4,234,971	c 32	N81-14186 *	#
US-PATENT-4,156,752	c 15	N79-26100 *	#	US-PATENT-4,195,244	c 35	N80-20559 *	#	US-PATENT-4,235,060	c 37	N81-14317 *	#
US-PATENT-4,156,971	c 43	N79-26439 *	#	US-PATENT-4,195,279	c 35	N80-20560 *	#	US-PATENT-4,236,383	c 44	N81-17518 *	#
US-PATENT-4,157,655	c 43	N80-14423 *	#	US-PATENT-4,195,512	c 43	N80-23711 *	#	US-PATENT-4,236,684	c 08	N81-19130 *	#
US-PATENT-4,157,718	c 52	N80-14684 *	#	US-PATENT-4,195,666	c 37	N80-23654 *	#	US-PATENT-4,237,662	c 31	N81-27323 *	#
US-PATENT-4,158,583	c 28	N79-28342 *	#	US-PATENT-4,196,129	c 27	N80-32515 *	#	US-PATENT-4,238,911	c 31	N81-27324 *	#
US-PATENT-4,158,742	c 12	N79-26075 *	#	US-PATENT-4,196,619	c 46	N80-24906 *	#	US-PATENT-4,239,057	c 37	N81-17433 *	#
US-PATENT-4,158,775	c 72	N80-14877 *	#	US-PATENT-4,196,840	c 37	N80-23655 *	#	US-PATENT-4,240,256	c 37	N81-17432 *	#
US-PATENT-4,158,895	c 52	N79-26772 *	#	US-PATENT-4,197,530	c 33	N80-23559 *	#	US-PATENT-4,240,290	c 06	N81-17057 *	#
US-PATENT-4,159,262	c 27	N79-28307 *	#	US-PATENT-4,198,209	c 28	N80-23471 *	#	US-PATENT-4,240,601	c 43	N81-17499 *	#
US-PATENT-4,159,366	c 44	N79-26474 *	#	US-PATENT-4,198,232	c 26	N80-23419 *	#	US-PATENT-4,241,308	c 33	N81-17349 *	#
US-PATENT-4,159,634	c 37	N79-28550 *	#	US-PATENT-4,198,788	c 74	N80-24149 *	#	US-PATENT-4,241,312	c 35	N81-19427 *	#
US-PATENT-4,160,254	c 33	N79-28416 *	#	US-PATENT-4,198,792	c 25	N80-23383 *	#	US-PATENT-4,242,498	c 27	N81-17259 *	#
US-PATENT-4,160,508	c 37	N79-28551 *	#	US-PATENT-4,198,988	c 52	N80-23969 *	#	US-PATENT-4,242,553	c 33	N81-19389 *	#
US-PATENT-4,160,601	c 35	N79-28527 *	#	US-PATENT-4,199,448	c 27	N80-23452 *	#	US-PATENT-4,242,864	c 07	N81-19116 *	#
US-PATENT-4,161,661	c 33	N79-28415 *	#	US-PATENT-4,199,650	c 27	N80-24437 *	#	US-PATENT-4,243,323	c 74	N81-17888 *	#
US-PATENT-4,161,731	c 31	N79-28370 *	#	US-PATENT-4,199,764	c 32	N80-23524 *	#	US-PATENT-4,243,327	c 74	N81-17887 *	#
US-PATENT-4,161,747	c 37	N79-28549 *	#	US-PATENT-4,199,937	c 34	N80-24573 *	#	US-PATENT-4,244,215	c 04	N81-21047 *	#
US-PATENT-4,162,169	c 24	N79-31347 *	#	US-PATENT-4,200,721	c 44	N81-24519 *	#	US-PATENT-4,244,810	c 09	N82-29330 *	#
US-PATENT-4,162,701	c 34	N79-31523 *	#	US-PATENT-4,201,468	c 27	N80-24438 *	#	US-PATENT-4,244,853	c 27	N81-19296 *	#
US-PATENT-4,162,928	c 44	N79-31753 *	#	US-PATENT-4,202,723	c 32	N80-24510 *	#	US-PATENT-4,244,857	c 27	N81-17260 *	#
US-PATENT-4,163,678	c 44	N79-31752 *	#	US-PATENT-4,203,037	c 27	N80-26446 *	#	US-PATENT-4,245,085	c 27	N81-17262 *	#
US-PATENT-4,164,079	c 09	N79-31228 *	#	US-PATENT-4,204,154	c 51	N80-27067 *	#	US-PATENT-4,245,286	c 33	N81-19392 *	#
US-PATENT-4,164,718	c 32	N80-14281 *	#	US-PATENT-4,204,402	c 33	N80-26599 *	#	US-PATENT-4,245,288	c 33	N81-19393 *	#
US-PATENT-4,165,460	c 43	N79-31706 *	#	US-PATENT-4,204,402	c 07	N80-26298 *	#	US-PATENT-4,245,469	c 44	N81-24519 *	#
US-PATENT-4,166,170	c 27	N79-33316 *	#	US-PATENT-4,204,544	c 52	N80-27072 *	#	US-PATENT-4,245,566	c 31	N81-19343 *	#
US-PATENT-4,166,170	c 27	N81-14078 *	#	US-PATENT-4,204,899	c 52	N80-26388 *	#	US-PATENT-4,245,768	c 37	N81-19455 *	#
US-PATENT-4,166,959	c 74	N79-34011 *	#	US-PATENT-4,205,229	c 35	N80-26635 *	#	US-PATENT-4,245,956	c 05	N81-19087 *	#
US-PATENT-4,167,111	c 46	N80-10709 *	#	US-PATENT-4,206,383	c 72	N80-27163 *	#	US-PATENT-4,246,001	c 27	N81-17261 *	#
US-PATENT-4,168,287	c 27	N80-10358 *	#	US-PATENT-4,206,713	c 31	N81-15154 *	#	US-PATENT-4,246,901	c 52	N81-24711 *	#
US-PATENT-4,168,483	c 39	N80-10507 *	#	US-PATENT-4,206,970	c 14	N80-27185 *	#	US-PATENT-4,247,434	c 25	N81-19242 *	#
US-PATENT-4,168,706	c 54	N80-10799 *	#	US-PATENT-4,207,024	c 37	N80-26658 *	#	US-PATENT-4,248,083	c 35	N81-19426 *	#
US-PATENT-4,168,718	c 20	N80-10278 *	#	US-PATENT-4,207,024	c 37	N82-19540 *	#	US-PATENT-4,249,116	c 33	N81-20352 *	#
US-PATENT-4,168,939	c 05	N80-14107 *	#	US-PATENT-4,209,393	c 45	N82-11634 *	#	US-PATENT-4,249,238	c 07	N81-19115 *	#
US-PATENT-4,169,129	c 37	N80-10494 *	#	US-PATENT-4,209,561	c 24	N81-13999 *	#	US-PATENT-4,249,417	c 52	N81-20703 *	#
US-PATENT-4,170,776	c 46	N80-14603 *	#	US-PATENT-4,210,278	c 31	N80-32583 *	#	US-PATENT-4,249,957	c 44	N81-19558 *	#
US-PATENT-4,170,987	c 52	N81-27783 *	#	US-PATENT-4,210,401	c 35	N80-28687 *	#	US-PATENT-4,250,143	c 54	N81-24724 *	#
US-PATENT-4,171,615	c 20	N80-14188 *	#	US-PATENT-4,210,622	c 28	N80-28536 *	#	US-PATENT-4,250,207	c 33	N81-25299 *	#
US-PATENT-4,172,228	c 35	N80-14371 *	#	US-PATENT-4,210,622	c 44	N80-24741 *	#	US-PATENT-4,252,111	c 52	N81-25661 *	#
US-PATENT-4,172,228	c 33	N80-14332 *	#	US-PATENT-4,211,354	c 24	N81-17170 *	#	US-PATENT-4,252,440	c 39	N81-25400 *	#
US-PATENT-4,172,786	c 45	N80-14579 *	#	US-PATENT-4,211,354	c 24	N81-26179 *	#	US-PATENT-4,252,768	c 37	N81-25371 *	#
US-PATENT-4,172,883	c 26	N80-14229 *	#	US-PATENT-4,212,199	c 02	N80-28300 *	#	US-PATENT-4,253,156	c 34	N81-26402 *	#
US-PATENT-4,173,001	c 36	N80-14384 *	#	US-PATENT-4,212,297	c 51	N81-14605 *	#	US-PATENT-4,253,769	c 25	N81-25159 *	#
US-PATENT-4,173,324	c 37	N80-14398 *	#	US-PATENT-4,212,477	c 37	N80-28711 *	#	US-PATENT-4,254,464	c 62	N81-24779 *	#
US-PATENT-4,173,397	c 44	N80-14473 *	#	US-PATENT-4,212,477	c 37	N81-26447 *	#	US-PATENT-4,255,048	c 36	N81-24422 *	#
US-PATENT-4,173,820	c 44	N80-14474 *	#	US-PATENT-4,212,690	c 26	N80-28492 *	#	US-PATENT-4,255,495	c 26	N81-25188 *	#
US-PATENT-4,175,249	c 44	N80-14472 *	#	US-PATENT-4,213,051	c 35	N80-28686 *	#	US-PATENT-4,255,929	c 37	N81-25370 *	#
US-PATENT-4,176,007	c 51	N80-16714 *	#	US-PATENT-4,213,064	c 60	N81-15706 *	#	US-PATENT-4,256,093	c 52	N81-25660 *	#
US-PATENT-4,1											

US-PATENT-4,262,080	c 27	N81-25209 *	#	US-PATENT-4,300,723	c 34	N82-13376 *	#	US-PATENT-4,346,990	c 36	N82-32712 *	#
US-PATENT-4,262,195	c 44	N81-24520 *	#	US-PATENT-4,301,740	c 37	N82-21587 *	#	US-PATENT-4,347,613	c 36	N83-10417 *	#
US-PATENT-4,262,198	c 74	N83-19597 *	#	US-PATENT-4,302,223	c 25	N82-21269 *	#	US-PATENT-4,349,424	c 24	N83-10117 *	#
US-PATENT-4,262,206	c 74	N81-24900 *	#	US-PATENT-4,302,734	c 33	N82-16340 *	#	US-PATENT-4,349,424	c 70	N84-28565 *	#
US-PATENT-4,262,258	c 33	N81-27396 *	#	US-PATENT-4,303,961	c 28	N82-18401 *	#	US-PATENT-4,349,429	c 25	N83-10126 *	#
US-PATENT-4,262,259	c 33	N81-24338 *	#	US-PATENT-4,304,219	c 44	N82-18686 *	#	US-PATENT-4,349,954	c 26	N83-10170 *	#
US-PATENT-4,263,112	c 28	N81-24280 *	#	US-PATENT-4,304,320	c 37	N82-18601 *	#	US-PATENT-4,350,410	c 74	N83-10900 *	#
US-PATENT-4,264,310	c 54	N81-27806 *	#	US-PATENT-4,305,205	c 37	N82-26672 *	#	US-PATENT-4,350,574	c 44	N83-10494 *	#
US-PATENT-4,264,728	c 51	N81-28698 *	#	US-PATENT-4,307,024	c 25	N82-24312 *	#	US-PATENT-4,351,022	c 33	N83-10345 *	#
US-PATENT-4,264,802	c 35	N81-26431 *	#	US-PATENT-4,307,510	c 60	N82-24839 *	#	US-PATENT-4,355,311	c 32	N83-31918 *	#
US-PATENT-4,264,908	c 33	N81-26358 *	#	US-PATENT-4,307,575	c 44	N82-26776 *	#	US-PATENT-4,355,870	c 74	N83-13978 *	#
US-PATENT-4,264,940	c 33	N81-27397 *	#	US-PATENT-4,307,856	c 05	N82-26277 *	#	US-PATENT-4,355,896	c 47	N83-32232 *	#
US-PATENT-4,264,984	c 60	N81-27814 *	#	US-PATENT-4,308,309	c 27	N82-24339 *	#	US-PATENT-4,357,402	c 25	N83-13188 *	#
US-PATENT-4,265,416	c 14	N81-26161 *	#	US-PATENT-4,308,868	c 52	N82-29863 *	#	US-PATENT-4,358,358	c 25	N83-13187 *	#
US-PATENT-4,266,177	c 33	N81-27395 *	#	US-PATENT-4,309,039	c 37	N82-24490 *	#	US-PATENT-4,358,480	c 24	N83-13172 *	#
US-PATENT-4,266,743	c 08	N81-26152 *	#	US-PATENT-4,309,146	c 44	N82-24639 *	#	US-PATENT-4,358,486	c 24	N83-13171 *	#
US-PATENT-4,266,788	c 37	N81-26447 *	#	US-PATENT-4,309,372	c 25	N82-21268 *	#	US-PATENT-4,358,732	c 33	N83-18996 *	#
US-PATENT-4,267,594	c 33	N81-26359 *	#	US-PATENT-4,310,049	c 25	N82-23282 *	#	US-PATENT-4,358,846	c 32	N83-13323 *	#
US-PATENT-4,267,953	c 24	N81-26179 *	#	US-PATENT-4,310,132	c 24	N82-26384 *	#	US-PATENT-4,360,325	c 44	N83-14693 *	#
US-PATENT-4,267,992	c 37	N82-24491 *	#	US-PATENT-4,310,574	c 27	N82-28441 *	#	US-PATENT-4,360,701	c 44	N83-14692 *	#
US-PATENT-4,269,640	c 37	N82-24491 *	#	US-PATENT-4,310,906	c 33	N82-26572 *	#	US-PATENT-4,362,361	c 74	N83-17305 *	#
US-PATENT-4,269,787	c 27	N81-24256 *	#	US-PATENT-4,311,055	c 54	N82-26987 *	#	US-PATENT-4,362,769	c 27	N83-34039 *	#
US-PATENT-4,270,539	c 52	N81-28740 *	#	US-PATENT-4,311,057	c 37	N82-24493 *	#	US-PATENT-4,363,188	c 51	N83-17045 *	#
US-PATENT-4,270,984	c 44	N81-29524 *	#	US-PATENT-4,311,378	c 35	N82-26628 *	#	US-PATENT-4,363,237	c 71	N83-17235 *	#
US-PATENT-4,271,761	c 15	N82-24272 *	#	US-PATENT-4,311,615	c 25	N82-26396 *	#	US-PATENT-4,363,242	c 33	N83-16626 *	#
US-PATENT-4,272,046	c 08	N82-24205 *	#	US-PATENT-4,311,870	c 44	N82-26777 *	#	US-PATENT-4,366,680	c 31	N83-31897 *	#
US-PATENT-4,272,302	c 33	N81-26360 *	#	US-PATENT-4,312,292	c 37	N82-24492 *	#	US-PATENT-4,370,750	c 34	N83-19015 *	#
US-PATENT-4,272,470	c 23	N81-29160 *	#	US-PATENT-4,313,077	c 33	N82-26569 *	#	US-PATENT-4,371,301	c 37	N83-19091 *	#
US-PATENT-4,272,720	c 47	N82-24779 *	#	US-PATENT-4,313,103	c 33	N82-26570 *	#	US-PATENT-4,371,596	c 44	N83-32176 *	#
US-PATENT-4,273,304	c 05	N81-26114 *	#	US-PATENT-4,313,291	c 09	N82-29330 *	#	US-PATENT-4,371,873	c 32	N83-19668 *	#
US-PATENT-4,273,505	c 54	N81-26718 *	#	US-PATENT-4,313,726	c 09	N82-24212 *	#	US-PATENT-4,371,946	c 32	N83-18975 *	#
US-PATENT-4,273,918	c 27	N82-24338 *	#	US-PATENT-4,313,745	c 27	N82-28442 *	#	US-PATENT-4,372,110	c 07	N83-33884 *	#
US-PATENT-4,274,038	c 37	N81-33483 *	#	US-PATENT-4,313,777	c 33	N82-26571 *	#	US-PATENT-4,372,158	c 44	N83-21503 *	#
US-PATENT-4,274,285	c 35	N81-29407 *	#	US-PATENT-4,314,984	c 25	N82-28368 *	#	US-PATENT-4,372,159	c 44	N83-21504 *	#
US-PATENT-4,274,901	c 24	N81-33235 *	#	US-PATENT-4,315,194	c 33	N82-26568 *	#	US-PATENT-4,372,377	c 74	N83-19596 *	#
US-PATENT-4,275,317	c 33	N82-24418 *	#	US-PATENT-4,315,197	c 33	N82-24421 *	#	US-PATENT-4,372,680	c 35	N83-21311 *	#
US-PATENT-4,275,453	c 33	N82-24417 *	#	US-PATENT-4,315,266	c 32	N82-27558 *	#	US-PATENT-4,373,003	c 27	N83-18908 *	#
US-PATENT-4,276,344	c 27	N81-27272 *	#	US-PATENT-4,316,035	c 33	N82-28353 *	#	US-PATENT-4,373,039	c 27	N83-19900 *	#
US-PATENT-4,276,344	c 27	N85-21347 *	#	US-PATENT-4,317,102	c 25	N82-24470 *	#	US-PATENT-4,373,142	c 44	N83-32175 *	#
US-PATENT-4,276,403	c 27	N81-27271 *	#	US-PATENT-4,319,133	c 33	N82-28545 *	#	US-PATENT-4,373,989	c 76	N83-20789 *	#
US-PATENT-4,276,553	c 32	N81-27341 *	#	US-PATENT-4,320,290	c 74	N82-24072 *	#	US-PATENT-4,374,183	c 26	N83-31795 *	#
US-PATENT-4,276,588	c 33	N81-33404 *	#	US-PATENT-4,320,397	c 32	N82-23376 *	#	US-PATENT-4,374,378	c 35	N83-34272 *	#
US-PATENT-4,277,402	c 23	N82-16174 *	#	US-PATENT-4,320,911	c 37	N82-24494 *	#	US-PATENT-4,375,281	c 05	N83-19737 *	#
US-PATENT-4,277,721	c 33	N82-24415 *	#	US-PATENT-4,321,099	c 44	N82-28780 *	#	US-PATENT-4,375,396	c 31	N83-19947 *	#
US-PATENT-4,278,220	c 07	N82-26293 *	#	US-PATENT-4,321,572	c 33	N82-24422 *	#	US-PATENT-4,375,536	c 27	N83-34040 *	#
US-PATENT-4,278,351	c 74	N81-29963 *	#	US-PATENT-4,325,001	c 35	N82-24471 *	#	US-PATENT-4,375,674	c 39	N83-20280 *	#
US-PATENT-4,278,830	c 44	N81-29525 *	#	US-PATENT-4,325,707	c 25	N82-29371 *	#	US-PATENT-4,376,637	c 35	N84-17555 *	#
US-PATENT-4,278,830	c 44	N82-28780 *	#	US-PATENT-4,326,381	c 44	N82-24640 *	#	US-PATENT-4,376,872	c 44	N83-32177 *	#
US-PATENT-4,278,978	c 32	N81-29308 *	#	US-PATENT-4,326,685	c 04	N82-23231 *	#	US-PATENT-4,377,089	c 35	N83-21312 *	#
US-PATENT-4,279-018	c 33	N81-33405 *	#	US-PATENT-4,327,150	c 27	N82-24340 *	#	US-PATENT-4,377,169	c 52	N83-21785 *	#
US-PATENT-4,279,001	c 33	N82-24416 *	#	US-PATENT-4,327,437	c 60	N82-29013 *	#	US-PATENT-4,377,266	c 07	N83-20944 *	#
US-PATENT-4,279,632	c 31	N81-33319 *	#	US-PATENT-4,327,581	c 09	N82-23254 *	#	US-PATENT-4,377,343	c 74	N83-21949 *	#
US-PATENT-4,279,906	c 52	N81-29764 *	#	US-PATENT-4,328,464	c 36	N82-28616 *	#	US-PATENT-4,377,371	c 18	N83-20996 *	#
US-PATENT-4,280,141	c 33	N81-33403 *	#	US-PATENT-4,329,114	c 07	N82-32366 *	#	US-PATENT-4,377,371	c 37	N84-22957 *	#
US-PATENT-4,280,689	c 37	N81-33482 *	#	US-PATENT-4,329,385	c 27	N82-28440 *	#	US-PATENT-4,377,949	c 45	N83-25217 *	#
US-PATENT-4,280,766	c 35	N81-33448 *	#	US-PATENT-4,330,100	c 05	N82-28279 *	#	US-PATENT-4,378,209	c 35	N83-24828 *	#
US-PATENT-4,281,102	c 27	N81-29229 *	#	US-PATENT-4,330,359	c 76	N82-30105 *	#	US-PATENT-4,378,813	c 52	N83-25346 *	#
US-PATENT-4,281,384	c 18	N81-29152 *	#	US-PATENT-4,330,572	c 27	N82-33520 *	#	US-PATENT-4,379,970	c 33	N83-24763 *	#
US-PATENT-4,281,708	c 33	N82-24419 *	#	US-PATENT-4,331,422	c 52	N82-29862 *	#	US-PATENT-4,380,046	c 60	N83-25378 *	#
US-PATENT-4,282,479	c 33	N82-24420 *	#	US-PATENT-4,331,742	c 44	N82-29710 *	#	US-PATENT-4,381,174	c 37	N83-26078 *	#
US-PATENT-4,282,525	c 46	N82-12685 *	#	US-PATENT-4,331,746	c 44	N82-29708 *	#	US-PATENT-4,381,333	c 44	N83-34448 *	#
US-PATENT-4,282,752	c 44	N82-16474 *	#	US-PATENT-4,331,873	c 44	N82-32841 *	#	US-PATENT-4,381,375	c 37	N83-34323 *	#
US-PATENT-4,283,705	c 06	N82-16075 *	#	US-PATENT-4,331,956	c 33	N82-29538 *	#	US-PATENT-4,381,583	c 31	N83-31895 *	#
US-PATENT-4,283,995	c 37	N81-32510 *	#	US-PATENT-4,332,441	c 36	N82-29589 *	#	US-PATENT-4,381,881	c 74	N83-29032 *	#
US-PATENT-4,284,034	c 51	N81-32829 *	#	US-PATENT-4,335,190	c 27	N83-31855 *	#	US-PATENT-4,382,116	c 44	N83-27344 *	#
US-PATENT-4,284,461	c 27	N82-11206 *	#	US-PATENT-4,335,196	c 44	N83-13579 *	#	US-PATENT-4,382,224	c 33	N83-27126 *	#
US-PATENT-4,284,682	c 27	N82-16238 *	#	US-PATENT-4,335,206	c 35	N82-28604 *	#	US-PATENT-4,382,239	c 32	N83-27085 *	#
US-PATENT-4,286,209	c 35	N82-11431 *	#	US-PATENT-4,335,503	c 44	N82-29709 *	#	US-PATENT-4,383,171	c 35	N83-27184 *	#
US-PATENT-4,286,460	c 09	N82-11088 *	#	US-PATENT-4,336,117	c 26	N82-29415 *	#	US-PATENT-4,383,533	c 52	N83-27578 *	#
US-PATENT-4,286,542	c 37	N82-12441 *	#	US-PATENT-4,336,276	c 27	N82-29453 *	#	US-PATENT-4,383,785	c 31	N83-27058 *	#
US-PATENT-4,287,152	c 35	N82-11432 *	#	US-PATENT-4,336,616	c 33	N82-29539 *	#	US-PATENT-4,384,578	c 52	N83-27577 *	#
US-PATENT-4,287,518	c 32	N82-11336 *	#	US-PATENT-4,338,061	c 07	N83-31603 *	#	US-PATENT-4,384,823	c 34	N83-27144 *	#
US-PATENT-4,287,578	c 32	N82-18443 *	#	US-PATENT-4,338,368	c 27	N82-29456 *	#	US-PATENT-4,385,043	c 24	N83-25789 *	#
US-PATENT-4,287,606	c 74	N82-19029 *	#	US-PATENT-4,338,371	c 24	N82-29362 *	#	US-PATENT-4,385,113	c 51	N83-27569 *	#
US-PATENT-4,287,838	c 25	N82-11144 *	#	US-PATENT-4,338,371	c 54	N84-11758 *	#	US-PATENT-4,385,949	c 31	N83-34073 *	#
US-PATENT-4,288,585	c 27	N82-18389 *	#	US-PATENT-4,338,516	c 74	N82-30071 *	#	US-PATENT-4,386,157	c 51	N83-28849 *	#
US-PATENT-4,288,982	c 20	N82-18314 *	#	US-PATENT-4,338,568	c 33	N83-31954 *	#	US-PATENT-4,386,750	c 18	N83-28064 *	#
US-PATENT-4,290,612	c 37	N82-16408 *	#	US-PATENT-4,340,318	c 37	N82-32732 *	#	US-PATENT-4,387,513	c 06	N83-33882 *	#
US-PATENT-4,290,779	c 44	N82-16475 *	#	US-PATENT-4,340,425	c 26	N82-31505 *	#	US-PATENT-4,387,935	c 37	N83-32067 *	#
US-PATENT-4,291,294	c 04	N82-16059 *	#	US-PATENT-4,341,012	c 35	N82-31659 *	#	US-PATENT-4,388,171	c 23	N84-16255 *	#
US-PATENT-4,291,887	c 37	N82-12442 *	#	US-PATENT-4,341,843	c 26	N82-30371 *	#	US-PATENT-4,388,346	c 33	N84-16456 *	#
US-PATENT-4,292,375	c 24	N82-24296 *	#	US-PATENT-4,341,918	c 44	N82-31764 *	#	US-PATENT-4,388,502	c 05	N83-27975 *	#
US-PATENT-4,292,634	c 32	N82-12297 *	#	US-PATENT-4,341,925	c 32	N82-31583 *	#	US-PATENT-4,388,542	c 44	N83-28573 *	#
US-PATENT-4,293,522	c 25	N82-12166 *	#	US-PATENT-4,343,287	c 37	N82-32730 *	#	US-PATENT-4,388,585	c 33	N83-28319 *	#
US-PATENT-4,294,261	c 52	N82-11770 *	#	US-PATENT-4,343,447	c 08	N82-32373 *	#	US-PATENT-4,388,585	c 33	N84-33660 *	#
US-PATENT-4,294,264	c 52	N82-22875 *	#	US-PATENT-4,343,506	c 85	N82-33288 *	#	US-PATENT-4,388,965	c 34	N83-28356 *	#
US-PATENT-4,295,111	c 33	N82-11357 *	#	US-PATENT-4,343,584	c 37	N82-32731 *	#	US-PATENT-4,389,504	c 27	N83-28240 *	#
US-PATENT-4,2											

US-PATENT-4,392,749	c 35	N83-29651 *	#	US-PATENT-4,426,614	c 33	N84-16455 *	#	US-PATENT-4,473,259	c 37	N85-20337 *	#
US-PATENT-4,392,874	c 35	N83-29652 *	#	US-PATENT-4,426,678	c 33	N84-16453 *	#	US-PATENT-4,473,674	c 24	N84-34571 *	#
US-PATENT-4,392,920	c 27	N83-29388 *	#	US-PATENT-4,426,874	c 35	N84-28019 *	#	US-PATENT-4,473,792	c 33	N84-33660 *	#
US-PATENT-4,393,039	c 25	N83-29324 *	#	US-PATENT-4,428,122	c 35	N84-16523 *	#	US-PATENT-4,474,062	c 06	N84-34448 *	#
US-PATENT-4,393,706	c 71	N83-32516 *	#	US-PATENT-4,428,226	c 07	N84-22559 *	#	US-PATENT-4,474,180	c 52	N84-34913 *	#
US-PATENT-4,393,708	c 71	N83-32515 *	#	US-PATENT-4,428,675	c 35	N84-22929 *	#	US-PATENT-4,474,471	c 35	N84-34705 *	#
US-PATENT-4,393,716	c 39	N83-32081 *	#	US-PATENT-4,428,703	c 37	N84-16561 *	#	US-PATENT-4,474,975	c 25	N85-21280 *	#
US-PATENT-4,393,777	c 37	N84-12491 *	#	US-PATENT-4,429,537	c 37	N84-22958 *	#	US-PATENT-4,475,063	c 33	N85-21491 *	#
US-PATENT-4,394,610	c 33	N83-31953 *	#	US-PATENT-4,430,360	c 37	N84-22957 *	#	US-PATENT-4,475,385	c 09	N84-34448 *	#
US-PATENT-4,394,726	c 60	N83-32342 *	#	US-PATENT-4,430,673	c 74	N84-23247 *	#	US-PATENT-4,475,527	c 37	N85-21650 *	#
US-PATENT-4,394,819	c 35	N83-32026 *	#	US-PATENT-4,431,306	c 35	N84-22931 *	#	US-PATENT-4,475,921	c 71	N85-22104 *	#
US-PATENT-4,395,123	c 74	N83-32577 *	#	US-PATENT-4,431,333	c 18	N84-22605 *	#	US-PATENT-4,478,879	c 44	N85-20530 *	#
US-PATENT-4,395,503	c 27	N83-34043 *	#	US-PATENT-4,431,761	c 27	N84-22746 *	#	US-PATENT-4,479,053	c 74	N85-22139 *	#
US-PATENT-4,395,511	c 27	N84-14324 *	#	US-PATENT-4,431,792	c 52	N84-23095 *	#	US-PATENT-4,479,586	c 27	N85-20126 *	#
US-PATENT-4,395,540	c 27	N84-22746 *	#	US-PATENT-4,432,853	c 27	N84-22745 *	#	US-PATENT-4,479,560	c 35	N85-20294 *	#
US-PATENT-4,395,540	c 27	N85-20123 *	#	US-PATENT-4,433,115	c 27	N84-22885 *	#	US-PATENT-4,482,778	c 60	N85-21992 *	#
US-PATENT-4,395,557	c 27	N83-31854 *	#	US-PATENT-4,433,276	c 33	N84-22885 *	#	US-PATENT-4,482,778	c 44	N85-21768 *	#
US-PATENT-4,395,557	c 27	N84-22745 *	#	US-PATENT-4,433,439	c 54	N84-23113 *	#	US-PATENT-4,483,512	c 33	N85-21492 *	#
US-PATENT-4,395,557	c 27	N85-21347 *	#	US-PATENT-4,433,544	c 44	N84-23018 *	#	US-PATENT-4,483,512	c 37	N85-20338 *	#
US-PATENT-4,395,656	c 33	N83-31952 *	#	US-PATENT-4,433,672	c 44	N84-28203 *	#	US-PATENT-4,483,639	c 37	N85-21649 *	#
US-PATENT-4,396,918	c 04	N84-27713 *	#	US-PATENT-4,434,106	c 27	N84-22744 *	#	US-PATENT-4,483,817	c 25	N85-21279 *	#
US-PATENT-4,397,716	c 44	N83-34449 *	#	US-PATENT-4,434,189	c 36	N84-22944 *	#	US-PATENT-4,485,151	c 24	N85-21266 *	#
US-PATENT-4,398,021	c 27	N83-34041 *	#	US-PATENT-4,434,490	c 36	N84-22943 *	#	US-PATENT-4,485,151	c 24	N85-35233 *	#
US-PATENT-4,398,021	c 27	N85-20124 *	#	US-PATENT-4,434,659	c 35	N84-22928 *	#	US-PATENT-4,485,670	c 34	N85-21568 *	#
US-PATENT-4,398,129	c 33	N83-34189 *	#	US-PATENT-4,435,642	c 35	N84-28016 *	#	US-PATENT-4,485,671	c 35	N85-20295 *	#
US-PATENT-4,398,412	c 35	N84-28018 *	#	US-PATENT-4,435,781	c 60	N84-28491 *	#	US-PATENT-4,485,992	c 08	N85-19985 *	#
US-PATENT-4,398,667	c 71	N84-14873 *	#	US-PATENT-4,437,069	c 33	N84-22887 *	#	US-PATENT-4,488,155	c 33	N85-21493 *	#
US-PATENT-4,398,925	c 71	N83-35781 *	#	US-PATENT-4,437,923	c 35	N84-22930 *	#	US-PATENT-4,488,335	c 27	N85-20125 *	#
US-PATENT-4,399,415	c 36	N83-35350 *	#	US-PATENT-4,437,961	c 33	N84-22884 *	#	US-PATENT-4,488,663	c 35	N85-21595 *	#
US-PATENT-4,399,515	c 35	N84-14491 *	#	US-PATENT-4,437,962	c 24	N84-22695 *	#	US-PATENT-4,489,027	c 27	N85-20124 *	#
US-PATENT-4,400,191	c 31	N83-35176 *	#	US-PATENT-4,437,962	c 24	N85-21267 *	#	US-PATENT-4,489,239	c 36	N85-21631 *	#
US-PATENT-4,400,642	c 76	N83-34796 *	#	US-PATENT-4,439,301	c 44	N84-23019 *	#	US-PATENT-4,489,243	c 44	N85-21769 *	#
US-PATENT-4,400,657	c 33	N83-34190 *	#	US-PATENT-4,439,465	c 26	N84-22734 *	#	US-PATENT-4,489,264	c 33	N85-22877 *	#
US-PATENT-4,401,505	c 76	N83-35888 *	#	US-PATENT-4,439,718	c 33	N84-22886 *	#	US-PATENT-4,490,117	c 09	N85-19990 *	#
US-PATENT-4,401,934	c 33	N83-35227 *	#	US-PATENT-4,439,766	c 32	N84-22820 *	#	US-PATENT-4,490,229	c 31	N85-20153 *	#
US-PATENT-4,401,953	c 33	N83-34191 *	#	US-PATENT-4,439,968	c 16	N84-22601 *	#	US-PATENT-4,491,427	c 37	N85-21651 *	#
US-PATENT-4,402,221	c 71	N83-36846 *	#	US-PATENT-4,442,716	c 35	N84-22934 *	#	US-PATENT-4,493,021	c 32	N85-21428 *	#
US-PATENT-4,402,358	c 34	N83-35307 *	#	US-PATENT-4,443,321	c 25	N84-22709 *	#	US-PATENT-4,493,211	c 09	N85-21178 *	#
US-PATENT-4,402,447	c 35	N83-35338 *	#	US-PATENT-4,443,701	c 74	N84-28590 *	#	US-PATENT-4,493,553	c 36	N85-21639 *	#
US-PATENT-4,402,992	c 31	N83-35177 *	#	US-PATENT-4,443,724	c 35	N84-28017 *	#	US-PATENT-4,495,044	c 24	N85-21267 *	#
US-PATENT-4,404,469	c 74	N84-11920 *	#	US-PATENT-4,444,368	c 05	N84-22551 *	#	US-PATENT-4,495,339	c 25	N85-30039 *	#
US-PATENT-4,404,793	c 07	N83-36029 *	#	US-PATENT-4,444,464	c 74	N84-23248 *	#	US-PATENT-4,495,520	c 32	N85-21427 *	#
US-PATENT-4,405,184	c 74	N84-12492 *	#	US-PATENT-4,444,972	c 27	N84-22750 *	#	US-PATENT-4,496,122	c 05	N85-21147 *	#
US-PATENT-4,405,197	c 37	N84-11921 *	#	US-PATENT-4,444,979	c 27	N84-22749 *	#	US-PATENT-4,496,701	c 27	N85-21347 *	#
US-PATENT-4,406,256	c 37	N83-36483 *	#	US-PATENT-4,445,118	c 04	N84-22546 *	#	US-PATENT-4,497,540	c 74	N85-23396 *	#
US-PATENT-4,406,797	c 25	N83-36118 *	#	US-PATENT-4,445,378	c 35	N84-22933 *	#	US-PATENT-4,497,935	c 27	N85-21349 *	#
US-PATENT-4,406,989	c 33	N83-36356 *	#	US-PATENT-4,446,199	c 26	N84-33555 *	#	US-PATENT-4,497,939	c 27	N85-21351 *	#
US-PATENT-4,407,001	c 33	N83-36355 *	#	US-PATENT-4,446,396	c 35	N84-22932 *	#	US-PATENT-4,497,940	c 27	N85-21352 *	#
US-PATENT-4,407,165	c 37	N83-36482 *	#	US-PATENT-4,446,459	c 60	N84-28492 *	#	US-PATENT-4,497,948	c 27	N85-21350 *	#
US-PATENT-4,407,468	c 01	N83-35992 *	#	US-PATENT-4,446,556	c 36	N84-28065 *	#	US-PATENT-4,498,231	c 35	N85-21598 *	#
US-PATENT-4,407,563	c 74	N83-36898 *	#	US-PATENT-4,446,757	c 37	N84-28084 *	#	US-PATENT-4,498,333	c 35	N85-21597 *	#
US-PATENT-4,407,589	c 33	N83-36357 *	#	US-PATENT-4,447,251	c 71	N84-28568 *	#	US-PATENT-4,499,260	c 27	N85-21348 *	#
US-PATENT-4,407,686	c 35	N84-12443 *	#	US-PATENT-4,447,943	c 52	N84-28389 *	#	US-PATENT-4,499,424	c 35	N85-21596 *	#
US-PATENT-4,408,597	c 52	N84-11744 *	#	US-PATENT-4,448,408	c 37	N84-28083 *	#	US-PATENT-4,499,470	c 43	N85-21723 *	#
US-PATENT-4,408,658	c 27	N83-36220 *	#	US-PATENT-4,449,370	c 37	N84-33808 *	#	US-PATENT-4,500,265	c 31	N85-21404 *	#
US-PATENT-4,410,189	c 37	N84-11497 *	#	US-PATENT-4,449,400	c 47	N84-28292 *	#	US-PATENT-4,500,492	c 37	N85-21652 *	#
US-PATENT-4,410,682	c 24	N84-11213 *	#	US-PATENT-4,449,514	c 44	N84-28204 *	#	US-PATENT-4,503,436	c 32	N85-29118 *	#
US-PATENT-4,411,380	c 24	N84-11214 *	#	US-PATENT-4,449,894	c 37	N84-28081 *	#	US-PATENT-4,505,998	c 33	N85-29144 *	#
US-PATENT-4,411,597	c 07	N84-22560 *	#	US-PATENT-4,450,268	c 27	N84-27884 *	#	US-PATENT-4,506,183	c 34	N85-29179 *	#
US-PATENT-4,411,660	c 54	N84-11758 *	#	US-PATENT-4,450,447	c 32	N84-27951 *	#	US-PATENT-4,507,928	c 31	N85-29082 *	#
US-PATENT-4,412,664	c 02	N84-11136 *	#	US-PATENT-4,451,017	c 18	N84-27787 *	#	US-PATENT-4,508,296	c 18	N85-29991 *	#
US-PATENT-4,413,522	c 35	N84-12445 *	#	US-PATENT-4,451,496	c 26	N84-27855 *	#	US-PATENT-4,509,048	c 32	N85-34327 *	#
US-PATENT-4,413,784	c 34	N84-12406 *	#	US-PATENT-4,452,088	c 24	N84-27829 *	#	US-PATENT-4,509,132	c 36	N85-29264 *	#
US-PATENT-4,414,509	c 25	N84-12262 *	#	US-PATENT-4,452,412	c 16	N84-27784 *	#	US-PATENT-4,509,130	c 33	N85-34333 *	#
US-PATENT-4,414,816	c 35	N84-12444 *	#	US-PATENT-4,453,163	c 06	N84-27733 *	#	US-PATENT-4,509,548	c 37	N85-34403 *	#
US-PATENT-4,414,816	c 07	N84-24577 *	#	US-PATENT-4,454,611	c 06	N84-27733 *	#	US-PATENT-4,510,277	c 27	N85-34282 *	#
US-PATENT-4,415,133	c 05	N84-12154 *	#	US-PATENT-4,454,649	c 54	N84-28484 *	#	US-PATENT-4,510,296	c 23	N85-28973 *	#
US-PATENT-4,415,311	c 37	N84-12493 *	#	US-PATENT-4,454,753	c 44	N84-28205 *	#	US-PATENT-4,510,476	c 33	N85-29146 *	#
US-PATENT-4,415,450	c 45	N84-12654 *	#	US-PATENT-4,455,418	c 09	N84-27749 *	#	US-PATENT-4,511,362	c 25	N85-35253 *	#
US-PATENT-4,416,111	c 07	N84-33410 *	#	US-PATENT-4,455,418	c 27	N84-27885 *	#	US-PATENT-4,511,838	c 25	N85-30923 *	#
US-PATENT-4,416,266	c 52	N84-28388 *	#	US-PATENT-4,455,532	c 25	N85-28982 *	#	US-PATENT-4,512,332	c 76	N85-30923 *	#
US-PATENT-4,417,175	c 52	N84-28388 *	#	US-PATENT-4,455,532	c 72	N84-28575 *	#	US-PATENT-4,512,332	c 44	N85-30474 *	#
US-PATENT-4,417,190	c 70	N84-28565 *	#	US-PATENT-4,455,680	c 32	N84-27952 *	#	US-PATENT-4,512,661	c 35	N85-30282 *	#
US-PATENT-4,417,190	c 33	N84-14424 *	#	US-PATENT-4,456,208	c 32	N84-27952 *	#	US-PATENT-4,512,678	c 37	N85-30334 *	#
US-PATENT-4,417,215	c 33	N84-14421 *	#	US-PATENT-4,456,208	c 27	N84-27886 *	#	US-PATENT-4,512,699	c 37	N85-29285 *	#
US-PATENT-4,418,130	c 33	N84-14422 *	#	US-PATENT-4,456,708	c 51	N84-28361 *	#	US-PATENT-4,512,846	c 37	N85-29800 *	#
US-PATENT-4,418,480	c 04	N84-14132 *	#	US-PATENT-4,458,418	c 37	N84-28085 *	#	US-PATENT-4,513,317	c 76	N85-29800 *	#
US-PATENT-4,418,722	c 44	N84-14583 *	#	US-PATENT-4,458,554	c 37	N84-28082 *	#	US-PATENT-4,513,423	c 32	N85-29117 *	#
US-PATENT-4,420,035	c 34	N84-14461 *	#	US-PATENT-4,459,083	c 02	N84-28732 *	#	US-PATENT-4,513,423	c 36	N85-30305 *	#
US-PATENT-4,420,352	c 27	N84-22748 *	#	US-PATENT-4,459,470	c 27	N84-33589 *	#	US-PATENT-4,513,750	c 52	N85-30618 *	#
US-PATENT-4,420,518	c 27	N84-14323 *	#	US-PATENT-4,459,528	c 33	N84-27975 *	#	US-PATENT-4,513,810	c 35	N85-29214 *	#
US-PATENT-4,420,836	c 36	N84-14509 *	#	US-PATENT-4,459,562	c 33	N84-27974 *	#	US-PATENT-4,514,137	c 37	N85-29282 *	#
US-PATENT-4,420,977	c 71	N84-23233 *	#	US-PATENT-4,462,871	c 76	N84-35112 *	#	US-PATENT-4,514,143	c 05	N85-29947 *	#
US-PATENT-4,421,109	c 54	N84-16803 *	#	US-PATENT-4,463,357	c 46	N85-21846 *	#	US-PATENT-4,514,178	c 35	N85-29212 *	#
US-PATENT-4,421,371	c 33	N84-14423 *	#	US-PATENT-4,463,465	c 03	N84-33394 *	#	US-PATENT-4,514,557	c 25	N85-28982 *	#
US-PATENT-4,421,700	c 24	N84-16262 *	#	US-PATENT-4,463,606	c 71	N85-22105 *	#	US-PATENT-4,515,207	c 34	N85-29180 *	#
US-PATENT-4,421,820	c 27	N84-14322 *	#	US-PATENT-4,464,710	c 33	N84-33663 *	#	US-PATENT-4,515,751	c 35	N85-29213 *	#
US-PATENT-4,4											

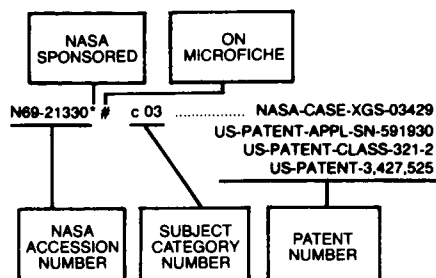
US-PATENT-4,521,077	c 74	N85-29750 * #	US-PATENT-4,583,587	c 34	N86-27593 * #
US-PATENT-4,521,659	c 31	N85-29083 * #	US-PATENT-4,583,860	c 74	N86-26190 * #
US-PATENT-4,521,688	c 35	N85-30281 * #	US-PATENT-4,584,249	c 44	N86-25874 * #
US-PATENT-4,521,702	c 33	N85-29145 * #	US-PATENT-4,584,510	c 08	N86-27288 * #
US-PATENT-4,521,854	c 33	N85-29142 * #	US-PATENT-4,584,887	c 35	N86-26595 * #
US-PATENT-4,522,469	c 76	N85-33826 * #	US-PATENT-4,585,191	c 20	N86-26368 * #
US-PATENT-4,522,661	c 76	N85-30922 * #	US-PATENT-4,585,344	c 35	N86-25753 * #
US-PATENT-4,522,755	c 27	N86-19455 * #	US-PATENT-4,586,140	c 06	N86-27280 * #
US-PATENT-4,522,844	c 26	N85-29005 * #	US-PATENT-4,586,487	c 44	N86-27706 * #
US-PATENT-4,523,008	c 27	N85-29043 * #	US-PATENT-4,587,312	c 27	N86-27450 * #
US-PATENT-4,523,682	c 71	N85-30765 * #	US-PATENT-4,587,324	c 23	N86-32525 * #
US-PATENT-4,523,741	c 37	N85-29284 * #	US-PATENT-4,587,526	c 37	N86-25791 * #
US-PATENT-4,523,810	c 74	N85-29749 * #	US-PATENT-4,588,778	c 27	N86-27451 * #
US-PATENT-4,524,237	c 44	N85-30475 * #	US-PATENT-4,588,986	c 32	N86-27513 * #
US-PATENT-4,526,925	c 27	N86-20560 * #	US-PATENT-4,591,772	c 37	N86-27629 * #
US-PATENT-4,527,092	c 37	N85-33489 * #	US-PATENT-4,591,838	c 25	N86-27431 * #
US-PATENT-4,527,910	c 37	N85-33490 * #	US-PATENT-4,593,415	c 54	N86-28618 * #
US-PATENT-4,528,386	c 23	N85-33187 * #	US-PATENT-4,594,540	c 31	N86-29055 * #
US-PATENT-4,528,417	c 44	N85-34441 * #	US-PATENT-4,594,720	c 36	N86-29204 * #
US-PATENT-4,528,639	c 60	N85-33701 * #	US-PATENT-4,594,734	c 54	N86-28620 * #
US-PATENT-4,529,358	c 34	N85-33433 * #	US-PATENT-4,595,399	c 35	N86-29174 * #
US-PATENT-4,531,143	c 33	N86-19516 * #	US-PATENT-4,595,548	c 27	N86-29039 * #
US-PATENT-4,532,797	c 35	N85-34373 * #	US-PATENT-4,596,626	c 76	N86-28760 * #
US-PATENT-4,533,101	c 07	N85-35194 * #	US-PATENT-4,598,007	c 24	N86-28131 * #
US-PATENT-4,533,242	c 74	N85-34629 * #	US-PATENT-4,598,427	c 54	N86-28619 * #
US-PATENT-4,534,166	c 07	N85-35195 * #	US-PATENT-4,598,428	c 54	N86-29507 * #
US-PATENT-4,535,033	c 24	N85-35233 * #	US-PATENT-4,598,981	c 74	N86-28732 * #
US-PATENT-4,535,035	c 26	N85-35267 * #	US-PATENT-4,599,001	c 74	N86-29650 * #
US-PATENT-4,535,636	c 35	N85-34375 * #	US-PATENT-4,600,299	c 74	N86-32266 * #
US-PATENT-4,536,114	c 37	N85-34401 * #	US-PATENT-4,600,301	c 35	N86-32697 * #
US-PATENT-4,536,565	c 27	N85-34280 * #	US-PATENT-4,600,769	c 27	N86-31726 * #
US-PATENT-4,537,554	c 85	N85-34722 * #	US-PATENT-4,600,840	c 72	N86-33127 * #
US-PATENT-4,537,834	c 27	N85-34281 * #	US-PATENT-4,602,081	c 27	N86-32568 * #
US-PATENT-4,538,066	c 35	N85-34374 * #	US-PATENT-4,602,509	c 35	N86-32695 * #
US-PATENT-4,538,446	c 34	N86-12547 * #	US-PATENT-4,603,061	c 27	N86-31727 * #
US-PATENT-4,538,778	c 08	N85-35200 * #	US-PATENT-4,603,306	c 33	N86-32624 * #
US-PATENT-4,539,293	c 23	N85-35227 * #	US-PATENT-4,604,038	c 37	N86-32738 * #
US-PATENT-4,540,986	c 04	N86-19304 * #	US-PATENT-4,604,181	c 27	N86-32569 * #
US-PATENT-4,542,520	c 74	N86-20126 * #	US-PATENT-4,604,844	c 37	N86-32737 * #
US-PATENT-4,542,858	c 33	N86-20669 * #	US-PATENT-4,604,903	c 35	N86-32696 * #
US-PATENT-4,542,963	c 74	N86-20125 * #	US-PATENT-4,605,155	c 37	N86-32736 * #
US-PATENT-4,543,295	c 27	N86-20561 * #	US-PATENT-4,605,303	c 09	N86-32447 * #
US-PATENT-4,543,302	c 44	N86-19721 * #	US-PATENT-4,605,946	c 76	N87-13313 * #
US-PATENT-4,543,442	c 76	N86-20150 * #	US-PATENT-4,607,193	c 31	N86-32587 * #
US-PATENT-4,544,025	c 35	N86-20750 * #	US-PATENT-4,608,452	c 44	N86-32875 * #
US-PATENT-4,544,068	c 35	N86-20751 * #	US-PATENT-4,608,821	c 20	N87-16875 * #
US-PATENT-4,545,025	c 60	N86-21154 * #	US-PATENT-4,610,736	c 26	N87-14482 * #
US-PATENT-4,545,553	c 33	N86-20671 * #	US-PATENT-4,612,072	c 76	N87-15882 * #
US-PATENT-4,545,586	c 37	N86-20788 * #	US-PATENT-4,614,428	c 74	N87-14971 * #
US-PATENT-4,545,723	c 37	N86-19603 * #	US-PATENT-4,615,637	c 18	N87-14373 * #
US-PATENT-4,546,248	c 32	N86-20647 * #	US-PATENT-4,616,793	c 05	N87-14314 * #
US-PATENT-4,547,121	c 37	N86-20789 * #	US-PATENT-4,618,215	c 09	N87-14355 * #
US-PATENT-4,547,686	c 33	N86-20672 * #	US-PATENT-4,618,380	c 35	N87-14671 * #
US-PATENT-4,548,083	c 39	N86-20841 * #	US-PATENT-4,618,652	c 27	N87-15304 * #
US-PATENT-4,549,435	c 35	N86-20752 * #	US-PATENT-4,619,142	c 35	N87-14670 * #
US-PATENT-4,550,129	c 24	N86-19380 * #	US-PATENT-4,619,423	c 02	N87-16793 * #
US-PATENT-4,550,177	c 23	N86-19376 * #	US-PATENT-4,621,492	c 20	N87-14420 * #
US-PATENT-4,550,292	c 33	N86-20668 * #	US-PATENT-4,622,182	c 27	N87-14515 * #
US-PATENT-4,550,561	c 07	N86-20389 * #	US-PATENT-4,623,255	c 33	N87-14594 * #
US-PATENT-4,551,677	c 35	N86-32698 * #	US-PATENT-4,624,142	c 32	N87-14559 * #
US-PATENT-4,551,687	c 33	N86-20670 * #	US-PATENT-4,624,561	c 35	N87-14669 * #
US-PATENT-4,551,724	c 43	N86-19711 * #	US-PATENT-4,624,888	c 27	N87-14516 * #
US-PATENT-4,552,466	c 37	N86-19606 * #	US-PATENT-4,626,046	c 37	N87-17034 * #
US-PATENT-4,552,784	c 26	N86-32550 * #	US-PATENT-4,626,593	c 27	N87-16908 * #
US-PATENT-4,552,931	c 27	N86-19456 * #	US-PATENT-4,629,147	c 07	N87-16828 * #
US-PATENT-4,553,110	c 33	N86-19515 * #	US-PATENT-4,631,352	c 44	N87-17399 * #
US-PATENT-4,553,393	c 37	N86-19604 * #	US-PATENT-4,631,538	c 17	N87-16863 * #
US-PATENT-4,553,917	c 26	N86-32551 * #	US-PATENT-4,632,548	c 36	N87-17026 * #
US-PATENT-4,554,905	c 18	N86-20469 * #	US-PATENT-4,633,060	c 74	N87-17493 * #
US-PATENT-4,556,327	c 35	N86-19580 * #	US-PATENT-4,634,191	c 37	N87-17038 * #
US-PATENT-4,556,986	c 74	N86-21348 * #	US-PATENT-4,634,759	c 27	N87-16909 * #
US-PATENT-4,557,097	c 31	N86-19479 * #	US-PATENT-4,635,663	c 37	N87-17035 * #
US-PATENT-4,557,149	c 35	N86-19581 * #	US-PATENT-4,635,773	c 37	N87-17037 * #
US-PATENT-4,557,444	c 05	N86-19310 * #	US-PATENT-4,637,181	c 31	N87-16918 * #
US-PATENT-4,558,585	c 71	N86-21276 * #	US-PATENT-4,637,447	c 37	N87-17036 * #
US-PATENT-4,558,967	c 37	N86-19605 * #	US-PATENT-4,638,083	c 27	N87-16907 * #
US-PATENT-4,560,577	c 27	N86-19458 * #	US-PATENT-403-164	c 54	N86-29507 * #
US-PATENT-4,560,742	c 27	N86-19457 * #	US-PATENT-526-265	c 27	N86-20560 * #
US-PATENT-4,561,784	c 25	N86-19413 * #			
US-PATENT-4,562,583	c 74	N86-20124 * #			
US-PATENT-4,564,787	c 33	N86-21742 * #			
US-PATENT-4,565,557	c 31	N86-21718 * #			
US-PATENT-4,565,886	c 27	N86-21675 * #			
US-PATENT-4,566,447	c 54	N86-22112 * #			
US-PATENT-4,567,301	c 23	N86-21582 * #			
US-PATENT-4,567,348	c 37	N86-21850 * #			
US-PATENT-4,568,733	c 24	N86-21590 * #			
US-PATENT-4,572,004	c 35	N86-25752 * #			
US-PATENT-4,578,678	c 04	N86-27270 * #			
US-PATENT-4,578,920	c 37	N86-25789 * #			
US-PATENT-4,579-782	c 24	N86-25416 * #			
US-PATENT-4,579,302	c 18	N86-24729 * #			
US-PATENT-4,579,475	c 37	N86-27630 * #			
US-PATENT-4,580-791	c 37	N86-25790 * #			
US-PATENT-4,582,277	c 16	N86-26352 * #			
US-PATENT-4,582,590	c 25	N86-25428 * #			

ACCESSION NUMBER INDEX

JULY 1987

NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

Typical Accession Number Index Listing



Listings in this index are arranged numerically by NASA accession number. The category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. An asterisk (*) indicates that the item is a NASA report. A pound sign (#) indicates that the item is available on microfiche.

N69-21313* # c 09 NASA-CASE-XAR-03786
N69-21313* # c 09 US-PATENT-APPL-SN-476763
US-PATENT-CLASS-310-4
US-PATENT-3,423,608
N69-21330* # c 03 NASA-CASE-XGS-03429
US-PATENT-APPL-SN-591930
US-PATENT-CLASS-321-2
US-PATENT-3,427,525
N69-21337* # c 03 NASA-CASE-XNP-04264
US-PATENT-APPL-SN-447933
US-PATENT-CLASS-136-146
US-PATENT-3,421,948
N69-21362* # c 15 NASA-CASE-XLE-05130
US-PATENT-APPL-SN-545224
US-PATENT-CLASS-277-25
US-PATENT-3,421,768
N69-21363* # c 14 NASA-CASE-XGS-03865
US-PATENT-APPL-SN-478491
US-PATENT-CLASS-33-174
US-PATENT-3,419,964
N69-21380* # c 05 NASA-CASE-XLA-08491
US-PATENT-APPL-SN-619520
US-PATENT-CLASS-244-4
US-PATENT-3,420,471
N69-21460* # c 15 NASA-CASE-XKS-04614
US-PATENT-APPL-SN-574280
US-PATENT-CLASS-117-201
US-PATENT-3,420,704
N69-21465* # c 15 NASA-CASE-XLA-08645
US-PATENT-APPL-SN-635970
US-PATENT-CLASS-62-93
US-PATENT-3,420,069
N69-21466* # c 12 NASA-CASE-XLE-03512
US-PATENT-APPL-SN-462762
US-PATENT-CLASS-137-81.5
US-PATENT-3,420,253
N69-21467* # c 09 NASA-CASE-XMS-06949
US-PATENT-APPL-SN-635328
US-PATENT-CLASS-346-44
US-PATENT-3,422,440
N69-21468* # c 09 NASA-CASE-XNP-05612
US-PATENT-APPL-SN-562934
US-PATENT-CLASS-307-106
US-PATENT-3,422,278
N69-21469* # c 03 NASA-CASE-XMS-04843
US-PATENT-APPL-SN-545229
US-PATENT-CLASS-137-624.14
US-PATENT-3,421,549
N69-21470* # c 09 NASA-CASE-XLA-01288
US-PATENT-APPL-SN-460876
US-PATENT-CLASS-339-150
US-PATENT-3,421,134
N69-21471* # c 15 NASA-CASE-XMS-03537
US-PATENT-APPL-SN-468655
US-PATENT-CLASS-219-121

US-PATENT-3,420,978
N69-21472* # c 15 NASA-CASE-XGS-02437
US-PATENT-APPL-SN-487344
US-PATENT-CLASS-317-157.5
US-PATENT-3,421,053
N69-21473* # c 05 NASA-CASE-XAR-01547
US-PATENT-APPL-SN-391343
US-PATENT-CLASS-128-2.08
US-PATENT-3,420,225
N69-21539* # c 03 NASA-CASE-XGS-01395
US-PATENT-APPL-SN-545535
US-PATENT-CLASS-174-72
US-PATENT-3,422,213
N69-21540* # c 11 NASA-CASE-XLA-02704
US-PATENT-APPL-SN-469011
US-PATENT-CLASS-73-67.2
US-PATENT-3,421,363
N69-21541* # c 14 NASA-CASE-XNP-09752
US-PATENT-APPL-SN-640460
US-PATENT-CLASS-317-246
US-PATENT-3,422,324
N69-21542* # c 09 NASA-CASE-XLE-03778
US-PATENT-APPL-SN-628247
US-PATENT-CLASS-174-18
US-PATENT-3,420,945
N69-21543* # c 09 NASA-CASE-XGS-04994
US-PATENT-APPL-SN-619907
US-PATENT-CLASS-331-4
US-PATENT-3,421,105
N69-21922* # c 15 NASA-CASE-XHQ-03903
US-PATENT-APPL-SN-560967
US-PATENT-CLASS-23-208
US-PATENT-3,423,179
N69-21923* # c 14 NASA-CASE-XNP-07478
US-PATENT-APPL-SN-605097
US-PATENT-CLASS-175-323
US-PATENT-3,421,591
N69-21924* # c 15 NASA-CASE-XMS-05894-1
US-PATENT-APPL-SN-685766
US-PATENT-CLASS-137-491
US-PATENT-3,421,541
N69-21925* # c 05 NASA-CASE-XMS-02872
US-PATENT-APPL-SN-422864
US-PATENT-CLASS-128-2.06
US-PATENT-3,420,223
N69-21926* # c 09 NASA-CASE-XNP-06032
US-PATENT-APPL-SN-590146
US-PATENT-CLASS-324-158
US-PATENT-3,422,354
N69-21927* # c 09 NASA-CASE-XMS-07846-1
US-PATENT-APPL-SN-694247
US-PATENT-CLASS-339-91
US-PATENT-3,422,390
N69-21928* # c 08 NASA-CASE-XNP-09785
US-PATENT-APPL-SN-599975
US-PATENT-CLASS-340-172.5
US-PATENT-3,422,403
N69-21929* # c 25 NASA-CASE-XNP-07481
US-PATENT-APPL-SN-563650
US-PATENT-CLASS-310-11
US-PATENT-3,422,291
N69-23185* # c 15 NASA-CASE-XNP-05975
US-PATENT-APPL-SN-570097
US-PATENT-CLASS-239-416
US-PATENT-3,421,700
N69-23190* # c 15 NASA-CASE-NPO-10309
US-PATENT-APPL-SN-574282
US-PATENT-APPL-SN-700985
US-PATENT-CLASS-62-6
US-PATENT-3,421,331
N69-23191* # c 14 NASA-CASE-XLE-10529
US-PATENT-APPL-SN-603396
US-PATENT-CLASS-317-234
US-PATENT-3,421,056
N69-23192* # c 05 NASA-CASE-XMS-06761
US-PATENT-APPL-SN-575475
US-PATENT-CLASS-128-283
US-PATENT-3,421,506
N69-24257* # c 14 NASA-CASE-XMS-04917
US-PATENT-APPL-SN-574283
US-PATENT-CLASS-73-198
US-PATENT-3,425,276
N69-24266* # c 15 NASA-CASE-XMS-03700
US-PATENT-APPL-SN-617783
US-PATENT-CLASS-314-129
US-PATENT-3,428,847
N69-24267* # c 03 NASA-CASE-XGS-04531
US-PATENT-APPL-SN-590141
US-PATENT-CLASS-136-89
US-PATENT-3,437,527
N69-24317* # c 09 NASA-CASE-XGS-04999
US-PATENT-APPL-SN-519395
US-PATENT-CLASS-307-268
US-PATENT-3,426,219
N69-24318* # c 09 NASA-CASE-XGS-05003
US-PATENT-APPL-SN-576797
US-PATENT-CLASS-317-235
US-PATENT-3,430,115
N69-24319* # c 15 NASA-CASE-XNP-09227
US-PATENT-APPL-SN-632164
US-PATENT-CLASS-313-44
US-PATENT-3,426,230
N69-24320* # c 15 NASA-CASE-XGS-03864
US-PATENT-APPL-SN-577114
US-PATENT-CLASS-136-133
US-PATENT-3,427,205
N69-24321* # c 11 NASA-CASE-XLA-03271
US-PATENT-APPL-SN-482313
US-PATENT-CLASS-350-310
US-PATENT-3,427,097
N69-24322* # c 15 NASA-CASE-XMS-01108
US-PATENT-APPL-SN-432032
US-PATENT-CLASS-156-242
US-PATENT-3,425,885
N69-24323* # c 07 NASA-CASE-XGS-02816
US-PATENT-APPL-SN-521998
US-PATENT-CLASS-333-73
US-PATENT-3,437,959
N69-24324* # c 09 NASA-CASE-XGS-02171
US-PATENT-APPL-SN-590159
US-PATENT-CLASS-325-446
US-PATENT-3,437,935
N69-24329* # c 09 NASA-CASE-XNP-04183
US-PATENT-APPL-SN-546142
US-PATENT-CLASS-179-100.2
US-PATENT-3,428,761
N69-24330* # c 09 NASA-CASE-XMS-05307
US-PATENT-APPL-SN-516154
US-PATENT-CLASS-330-29
US-PATENT-3,428,910
N69-24331* # c 14 NASA-CASE-XNP-03930
US-PATENT-APPL-SN-526665
US-PATENT-CLASS-250-237
US-PATENT-3,435,246
N69-24332* # c 23 NASA-CASE-XNP-02340
US-PATENT-APPL-SN-439490
US-PATENT-CLASS-350-1
US-PATENT-3,427,089
N69-24333* # c 09 NASA-CASE-XNP-09225
US-PATENT-APPL-SN-640785
US-PATENT-CLASS-340-172.5
US-PATENT-3,431,559
N69-24334* # c 07 NASA-CASE-XGS-01110
US-PATENT-APPL-SN-526664
US-PATENT-CLASS-333-8
US-PATENT-3,428,919
N69-25146* # c 03 NASA-CASE-XGS-04808
US-PATENT-APPL-SN-640781
US-PATENT-CLASS-321-2
US-PATENT-3,437,903
N69-25147* # c 17 NASA-CASE-XLE-10466
US-PATENT-APPL-SN-644448
US-PATENT-CLASS-219-411
US-PATENT-3,427,435
N69-27422* # c 09 NASA-CASE-XLA-04980
US-PATENT-APPL-SN-577548
US-PATENT-CLASS-317-234
US-PATENT-3,432,730
N69-27423* # c 14 NASA-CASE-XAC-02407
US-PATENT-APPL-SN-469013
US-PATENT-CLASS-324-43
US-PATENT-3,437,919
N69-27431* # c 14 NASA-CASE-XMF-01483
US-PATENT-APPL-SN-635325
US-PATENT-CLASS-339-17
US-PATENT-3,430,182

ACCESSION

N69-27432* #	c 14	NASA-CASE-XGS-08266 US-PATENT-APPL-SN-628248 US-PATENT-CLASS-250-203 US-PATENT-3,433,961	N69-39735* #	c 15	US-PATENT-CLASS-339-95 US-PATENT-3,458,851 NASA-CASE-XGS-00963 US-PATENT-APPL-SN-494282 US-PATENT-CLASS-161-182 US-PATENT-3,453,172	N69-39983* #	c 03	US-PATENT-CLASS-250-49.5 US-PATENT-3,446,960 NASA-CASE-XLE-02083 US-PATENT-APPL-SN-568362 US-PATENT-CLASS-310-11 US-PATENT-3,453,462
N69-27459* #	c 14	NASA-CASE-XMS-05909-1 US-PATENT-APPL-SN-685764 US-PATENT-CLASS-136-213 US-PATENT-3,431,149	N69-39736* #	c 07	NASA-CASE-XNP-04180 US-PATENT-APPL-SN-545228 US-PATENT-CLASS-250-203 US-PATENT-3,448,273	N69-39984* #	c 09	NASA-CASE-XLA-08507 US-PATENT-APPL-SN-632154 US-PATENT-CLASS-321-11 US-PATENT-3,434,033
N69-27460* #	c 07	NASA-CASE-XGS-05582 US-PATENT-APPL-SN-646424 US-PATENT-CLASS-343-854 US-PATENT-3,438,044	N69-39785* #	c 14	NASA-CASE-XKS-03495 US-PATENT-APPL-SN-559351 US-PATENT-CLASS-324-61 US-PATENT-3,426,272	N69-39986* #	c 09	NASA-CASE-XMS-05562-1 US-PATENT-APPL-SN-529609 US-PATENT-CLASS-330-2 US-PATENT-3,434,064
N69-27461* #	c 14	NASA-CASE-XLA-03724 US-PATENT-APPL-SN-568071 US-PATENT-CLASS-350-6 US-PATENT-3,437,394	N69-39786* #	c 15	NASA-CASE-XGS-04554 US-PATENT-APPL-SN-584072 US-PATENT-CLASS-29-472.9 US-PATENT-3,447,233	N69-39987* #	c 09	NASA-CASE-XMS-04215-1 US-PATENT-APPL-SN-605102 US-PATENT-CLASS-307-265 US-PATENT-3,446,992
N69-27462* #	c 07	NASA-CASE-XMS-05303 US-PATENT-APPL-SN-617022 US-PATENT-CLASS-333-97 US-PATENT-3,428,923	N69-39884* #	c 25	NASA-CASE-XLE-00690 US-PATENT-APPL-SN-489442 US-PATENT-CLASS-324-33 US-PATENT-3,447,071	N69-39988* #	c 12	NASA-CASE-XLE-02624 US-PATENT-APPL-SN-635327 US-PATENT-CLASS-35-49 US-PATENT-3,429,058
N69-27463* #	c 09	NASA-CASE-XGS-03095 US-PATENT-APPL-SN-552344 US-PATENT-CLASS-307-222 US-PATENT-3,437,832	N69-39885* #	c 09	NASA-CASE-XMS-04061-1 US-PATENT-APPL-SN-511564 US-PATENT-CLASS-328-116 US-PATENT-3,456,201	N70-10867* #	c 15	NASA-CASE-ERC-10208 US-PATENT-APPL-SN-847596
N69-27466* #	c 11	NASA-CASE-XNP-04969 US-PATENT-APPL-SN-593604 US-PATENT-CLASS-248-317 US-PATENT-3,430,909	N69-39888* #	c 10	NASA-CASE-XNP-02713 US-PATENT-APPL-SN-528031 US-PATENT-CLASS-307-252 US-PATENT-3,458,726	N70-11148* #	c 09	NASA-CASE-ERC-10072 US-PATENT-APPL-SN-845972
N69-27483* #	c 15	NASA-CASE-XLA-03105 US-PATENT-APPL-SN-529594 US-PATENT-CLASS-263-48 US-PATENT-3,430,937	N69-39889* #	c 06	NASA-CASE-XLE-07087 US-PATENT-APPL-SN-619521 US-PATENT-CLASS-313-231 US-PATENT-3,447,015	N70-11251* #	c 06	NASA-CASE-NPO-10863 US-PATENT-APPL-SN-848325
N69-27484* #	c 14	NASA-CASE-XLA-04556 US-PATENT-APPL-SN-607608 US-PATENT-CLASS-250-83 US-PATENT-3,433,953	N69-39890* #	c 03	NASA-CASE-XLE-02824 US-PATENT-APPL-SN-487343 US-PATENT-CLASS-310-10 US-PATENT-3,443,128	N70-11252* #	c 06	NASA-CASE-NPO-10447 US-PATENT-APPL-SN-848351
N69-27485* #	c 14	NASA-CASE-XGS-02401 US-PATENT-APPL-SN-502740 US-PATENT-CLASS-250-203 US-PATENT-3,428,812	N69-39895* #	c 18	NASA-CASE-XNP-06508 US-PATENT-APPL-SN-617776 US-PATENT-CLASS-117-21 US-PATENT-3,446,642	N70-12616* #	c 07	NASA-CASE-MSG-12259-1 US-PATENT-APPL-SN-853763
N69-27486* #	c 14	NASA-CASE-XAC-11225 US-PATENT-APPL-SN-638707 US-PATENT-CLASS-248-18 US-PATENT-3,430,902	N69-39896* #	c 14	NASA-CASE-XAC-02970 US-PATENT-APPL-SN-447930 US-PATENT-CLASS-250-217 US-PATENT-3,452,872	N70-20737* #	c 09	NASA-CASE-MFS-14741 US-PATENT-APPL-SN-880247
N69-27487* #	c 04	NASA-CASE-XGS-05533 US-PATENT-APPL-SN-568346 US-PATENT-CLASS-195-68 US-PATENT-3,437,560	N69-39897* #	c 09	NASA-CASE-XAC-08981 US-PATENT-APPL-SN-634060 US-PATENT-CLASS-317-16 US-PATENT-3,450,946	N70-22192* #	c 15	NASA-CASE-XMS-04890-1 US-PATENT-APPL-SN-797057 US-PATENT-CLASS-60-258 US-PATENT-3,490,238
N69-27490* #	c 15	NASA-CASE-XLA-02854 US-PATENT-APPL-SN-598118 US-PATENT-CLASS-285-3 US-PATENT-3,427,047	N69-39898* #	c 03	NASA-CASE-XLE-01015 US-PATENT-APPL-SN-502746 US-PATENT-CLASS-310-4 US-PATENT-3,446,998	N70-26819* #	c 15	NASA-CASE-LAR-10590-1 US-PATENT-APPL-SN-21732
N69-27491* #	c 16	NASA-CASE-XGS-04480 US-PATENT-APPL-SN-591007 US-PATENT-CLASS-250-199 US-PATENT-3,433,960	N69-39929* #	c 09	NASA-CASE-XNP-09776 US-PATENT-APPL-SN-617779 US-PATENT-CLASS-310-4 US-PATENT-3,446,998	N70-33179* #	c 14	NASA-CASE-XMF-00447 US-PATENT-APPL-SN-134479 US-PATENT-CLASS-340-198 US-PATENT-3,041,587
N69-27499* #	c 31	NASA-CASE-XMS-12158-1 US-PATENT-APPL-SN-762936 US-PATENT-CLASS-244-1 US-PATENT-3,439,886	N69-39935* #	c 15	NASA-CASE-XNP-08882 US-PATENT-APPL-SN-640784 US-PATENT-CLASS-220-14 US-PATENT-3,446,387	N70-33180* #	c 15	NASA-CASE-XLA-00137 US-PATENT-APPL-SN-8203 US-PATENT-CLASS-93-1 US-PATENT-3,010,372
N69-27500* #	c 09	NASA-CASE-XNP-09228 US-PATENT-APPL-SN-584070 US-PATENT-CLASS-307-136 US-PATENT-3,430,063	N69-39936* #	c 06	NASA-CASE-XNP-04816 US-PATENT-APPL-SN-578926 US-PATENT-CLASS-73-23.1 US-PATENT-3,443,416	N70-33181* #	c 21	NASA-CASE-XLA-00120 US-PATENT-APPL-SN-853984 US-PATENT-CLASS-250-83.3 US-PATENT-3,038,077
N69-27502* #	c 15	NASA-CASE-XMF-04132 US-PATENT-APPL-SN-640788 US-PATENT-CLASS-220-55 US-PATENT-3,429,477	N69-39937* #	c 14	NASA-CASE-XNP-09750 US-PATENT-APPL-SN-632162 US-PATENT-CLASS-ASS-250.83 US-PATENT-3,456,112	N70-33182* #	c 09	NASA-CASE-XAC-00086 US-PATENT-APPL-SN-824755 US-PATENT-CLASS-340-147 US-PATENT-3,059,220
N69-27503* #	c 14	NASA-CASE-XFR-09479 US-PATENT-APPL-SN-653278 US-PATENT-CLASS-73-49.8 US-PATENT-3,433,079	N69-39974* #	c 07	NASA-CASE-XGS-05918 US-PATENT-APPL-SN-685497 US-PATENT-CLASS-343-7.5 US-PATENT-3,430,237	N70-33226* #	c 15	NASA-CASE-XLE-00020 US-PATENT-APPL-SN-387332 US-PATENT-CLASS-253-39.15 US-PATENT-3,011,760
N69-27504* #	c 15	NASA-CASE-XNP-09452 US-PATENT-APPL-SN-640789 US-PATENT-CLASS-267-1 US-PATENT-3,430,942	N69-39975* #	c 14	NASA-CASE-XLA-01781 US-PATENT-APPL-SN-441936 US-PATENT-CLASS-73-86 US-PATENT-3,425,268	N70-33241* #	c 28	NASA-CASE-XLE-00103 US-PATENT-APPL-SN-517100 US-PATENT-CLASS-60-39.74 US-PATENT-2,940,259
N69-27505* #	c 15	NASA-CASE-XLA-09122 US-PATENT-APPL-SN-619903 US-PATENT-CLASS-64-28 US-PATENT-3,430,460	N69-39978* #	c 07	NASA-CASE-XGS-02749 US-PATENT-APPL-SN-502753 US-PATENT-CLASS-179-15 US-PATENT-3,450,842	N70-33242* #	c 31	NASA-CASE-XLA-00165 US-PATENT-APPL-SN-47120 US-PATENT-CLASS-244-117 US-PATENT-3,028,128
N69-27871* #	c 15	NASA-CASE-XMS-04318 US-PATENT-APPL-SN-521996 US-PATENT-CLASS-219-347 US-PATENT-3,431,397	N69-39979* #	c 18	NASA-CASE-XGS-04119 US-PATENT-APPL-SN-452945 US-PATENT-CLASS-106-74 US-PATENT-3,454,410	N70-33254* #	c 14	NASA-CASE-XLA-00062 US-PATENT-APPL-SN-853983 US-PATENT-CLASS-88-16 US-PATENT-3,041,924
N69-31244* #	c 06	NASA-CASE-NPO-10714 US-PATENT-APPL-SN-817569	N69-39980* #	c 07	NASA-CASE-XGS-05211 US-PATENT-APPL-SN-590145 US-PATENT-CLASS-250-209 US-PATENT-3,444,380	N70-33255* #	c 02	NASA-CASE-XLA-00230 US-PATENT-APPL-SN-41455 US-PATENT-CLASS-244-43 US-PATENT-3,053,484
N69-31343* #	c 16	NASA-CASE-ERC-10187 US-PATENT-APPL-SN-825253	N69-39981* #	c 01	NASA-CASE-XLA-06095 US-PATENT-APPL-SN-683612 US-PATENT-CLASS-244-138 US-PATENT-3,443,779	N70-33264* #	c 15	NASA-CASE-XLE-00092 US-PATENT-APPL-SN-835146 US-PATENT-CLASS-253-39.15 US-PATENT-3,057,597
N69-33482* #	c 26	NASA-CASE-ERC-10120 US-PATENT-APPL-SN-827597	N69-39982* #	c 14	NASA-CASE-XGS-01725 US-PATENT-APPL-SN-483891	N70-33265* #	c 28	NASA-CASE-XLE-00817 US-PATENT-APPL-SN-264735 US-PATENT-CLASS-60-35.3 US-PATENT-3,173,246
N69-39733* #	c 06	NASA-CASE-XMF-03873 US-PATENT-APPL-SN-543774 US-PATENT-CLASS-73-24 US-PATENT-3,429,177				N70-33266* #	c 02	NASA-CASE-XLA-00221 US-PATENT-APPL-SN-51473 US-PATENT-CLASS-244-46 US-PATENT-3,064,928
N69-39734* #	c 09	NASA-CASE-XMF-04238 US-PATENT-APPL-SN-562443				N70-33267* #	c 25	NASA-CASE-XLA-00675 US-PATENT-APPL-SN-178213 US-PATENT-CLASS-315-111 US-PATENT-3,171,060

ACCESSION NUMBER INDEX

N70-34820

N70-33279*	c 21	NASA-CASE-XFR-00181 US-PATENT-APPL-SN-28175 US-PATENT-CLASS-244-83 US-PATENT-3,028,126	N70-33386*	c 14	NASA-CASE-XLA-00113 US-PATENT-APPL-SN-2792 US-PATENT-CLASS-73-147 US-PATENT-3,001,395	N70-34559* #	c 09	NASA-CASE-LAR-10218-1 US-PATENT-APPL-SN-47441
N70-33283*	c 17	NASA-CASE-XLE-00151 US-PATENT-APPL-SN-848481 US-PATENT-CLASS-75-171 US-PATENT-2,971,837	N70-34134* #	c 03	NASA-CASE-XLE-00212 US-PATENT-APPL-SN-151598 US-PATENT-CLASS-310-4 US-PATENT-3,202,844	N70-34596* #	c 09	NASA-CASE-XMF-00324 US-PATENT-APPL-SN-109789 US-PATENT-CLASS-339-176 US-PATENT-3,189,864
N70-33284*	c 28	NASA-CASE-XLE-00078 US-PATENT-APPL-SN-18776 US-PATENT-CLASS-60-35.6 US-PATENT-3,049,876	N70-34135* #	c 31	NASA-CASE-XLA-00686 US-PATENT-APPL-SN-195347 US-PATENT-CLASS-343-833 US-PATENT-3,202,998	N70-34646* #	c 03	NASA-CASE-NPO-11138 US-PATENT-APPL-SN-9251
N70-33285*	c 05	NASA-CASE-XLA-00118 US-PATENT-APPL-SN-840983 US-PATENT-CLASS-5-345 US-PATENT-3,038,175	N70-34156* #	c 14	NASA-CASE-XLE-00266 US-PATENT-APPL-SN-202024 US-PATENT-CLASS-73-15 US-PATENT-3,204,447	N70-34661* #	c 25	NASA-CASE-XLA-00147 US-PATENT-APPL-SN-178215 US-PATENT-CLASS-313-156 US-PATENT-3,201,635
N70-33286*	c 02	NASA-CASE-XLA-00142 US-PATENT-APPL-SN-26375 US-PATENT-CLASS-244-46 US-PATENT-3,028,122	N70-34157* #	c 03	NASA-CASE-XMF-00517 US-PATENT-APPL-SN-216711 US-PATENT-CLASS-244-1 US-PATENT-3,204,889	N70-34664* #	c 15	NASA-CASE-XMF-00515 US-PATENT-APPL-SN-278790 US-PATENT-CLASS-308-9 US-PATENT-3,199,931
N70-33287*	c 11	NASA-CASE-XLA-00112 US-PATENT-APPL-SN-843022 US-PATENT-CLASS-73-147 US-PATENT-3,005,339	N70-34158* #	c 14	NASA-CASE-XGS-00359 US-PATENT-APPL-SN-94952 US-PATENT-CLASS-250-203 US-PATENT-3,205,361	N70-34667* #	c 03	NASA-CASE-XLA-00326 US-PATENT-APPL-SN-318443 US-PATENT-CLASS-89-1 US-PATENT-3,200,706
N70-33288*	c 17	NASA-CASE-XLE-02428 US-PATENT-APPL-SN-339821 US-PATENT-CLASS-29-198 US-PATENT-3,170,773	N70-34159* #	c 31	NASA-CASE-XMF-03856 US-PATENT-APPL-SN-416941 US-PATENT-CLASS-248-188.9 US-PATENT-3,208,707	N70-34675* #	c 08	NASA-CASE-XNP-04162-1 US-PATENT-APPL-SN-872664
N70-33305*	c 12	NASA-CASE-XLA-00229 US-PATENT-APPL-SN-18780 US-PATENT-CLASS-114-66.5 US-PATENT-3,016,863	N70-34160* #	c 02	NASA-CASE-XLA-01804 US-PATENT-APPL-SN-353637 US-PATENT-CLASS-244-50 US-PATENT-3,208,694	N70-34699* #	c 15	NASA-CASE-NPO-10682 US-PATENT-APPL-SN-15023 US-PATENT-CLASS-307-88 US-PATENT-3,198,955
N70-33311*	c 15	NASA-CASE-XLE-00046 US-PATENT-APPL-SN-686796 US-PATENT-CLASS-29-488 US-PATENT-3,008,229	N70-34161* #	c 14	NASA-CASE-XLA-00203 US-PATENT-APPL-SN-227682 US-PATENT-CLASS-73-105 US-PATENT-3,208,272	N70-34778* #	c 08	NASA-CASE-XLA-00471 US-PATENT-APPL-SN-197553 US-PATENT-CLASS-235-154 US-PATENT-3,194,951
N70-33312*	c 09	NASA-CASE-XLA-00141 US-PATENT-APPL-SN-19971 US-PATENT-CLASS-219-34 US-PATENT-3,005,081	N70-34162* #	c 28	NASA-CASE-XMF-01544 US-PATENT-APPL-SN-394638 US-PATENT-CLASS-60-35.55 US-PATENT-3,208,215	N70-34783* #	c 27	NASA-CASE-XLA-00304 US-PATENT-APPL-SN-54552 US-PATENT-CLASS-18-39 US-PATENT-3,193,883
N70-33322*	c 14	NASA-CASE-XLA-00135 US-PATENT-APPL-SN-861152 US-PATENT-CLASS-244-14 US-PATENT-3,004,735	N70-34175* #	c 28	NASA-CASE-XLE-01783 US-PATENT-APPL-SN-313132 US-PATENT-CLASS-60-35.5 US-PATENT-3,210,927	N70-34786* #	c 11	NASA-CASE-XLA-00493 US-PATENT-APPL-SN-202029 US-PATENT-CLASS-73-432 US-PATENT-3,196,690
N70-33323*	c 15	NASA-CASE-XMF-00341 US-PATENT-APPL-SN-77256 US-PATENT-CLASS-62-45 US-PATENT-3,012,407	N70-34176* #	c 31	NASA-CASE-XMF-00389 US-PATENT-APPL-SN-151114 US-PATENT-CLASS-244-1 US-PATENT-3,202,381	N70-34787* #	c 08	NASA-CASE-XGS-00689 US-PATENT-APPL-SN-250451 US-PATENT-CLASS-235-176 US-PATENT-3,196,261
N70-33329*	c 11	NASA-CASE-XLA-00119 US-PATENT-APPL-SN-842171 US-PATENT-CLASS-240-1.2 US-PATENT-2,984,735	N70-34178* #	c 02	NASA-CASE-XLA-00166 US-PATENT-APPL-SN-84961 US-PATENT-CLASS-244-46 US-PATENT-3,087,692	N70-34788* #	c 28	NASA-CASE-XLE-00388 US-PATENT-APPL-SN-234568 US-PATENT-CLASS-55-306 US-PATENT-3,196,598
N70-33330*	c 15	NASA-CASE-XLE-00023 US-PATENT-APPL-SN-512352 US-PATENT-CLASS-78-1 US-PATENT-2,991,671	N70-34247* #	c 15	NASA-CASE-XLE-00288 US-PATENT-APPL-SN-118200 US-PATENT-CLASS-62-50 US-PATENT-3,068,658	N70-34794* #	c 14	NASA-CASE-XMF-00479 US-PATENT-APPL-SN-169977 US-PATENT-CLASS-73-71.2 US-PATENT-3,194,060
N70-33331*	c 28	NASA-CASE-XLA-00105 US-PATENT-APPL-SN-719173 US-PATENT-CLASS-60-35.6 US-PATENT-3,001,363	N70-34249* #	c 15	NASA-CASE-XMF-00375 US-PATENT-APPL-SN-166969 US-PATENT-CLASS-72-56 US-PATENT-3,188,844	N70-34799* #	c 14	NASA-CASE-XLA-00492 US-PATENT-APPL-SN-284265 US-PATENT-CLASS-73-88.5 US-PATENT-3,199,340
N70-33332*	c 02	NASA-CASE-XLA-00087 US-PATENT-APPL-SN-811509 US-PATENT-CLASS-244-12 US-PATENT-2,991,961	N70-34294* #	c 28	NASA-CASE-XLE-00208 US-PATENT-APPL-SN-106135 US-PATENT-CLASS-60-35.54 US-PATENT-3,132,476	N70-34812* #	c 33	NASA-CASE-XLE-00387 US-PATENT-APPL-SN-203411 US-PATENT-CLASS-219-19 US-PATENT-3,108,171
N70-33343*	c 03	NASA-CASE-XLA-00115 US-PATENT-APPL-SN-847027 US-PATENT-CLASS-244-1 US-PATENT-3,001,739	N70-34295* #	c 21	NASA-CASE-XLA-01989 US-PATENT-APPL-SN-305020 US-PATENT-CLASS-244-1 US-PATENT-3,189,299	N70-34813* #	c 14	NASA-CASE-XAC-00073 US-PATENT-APPL-SN-47122 US-PATENT-CLASS-73-147 US-PATENT-3,100,990
N70-33344*	c 33	NASA-CASE-XMS-00486 US-PATENT-APPL-SN-300113 US-PATENT-CLASS-244-1 US-PATENT-3,130,940	N70-34296* #	c 31	NASA-CASE-XLA-00678 US-PATENT-APPL-SN-197551 US-PATENT-CLASS-244-1 US-PATENT-3,169,725	N70-34814* #	c 15	NASA-CASE-XMF-00392 US-PATENT-APPL-SN-151112 US-PATENT-CLASS-219-137 US-PATENT-3,102,948
N70-33356*	c 28	NASA-CASE-XLE-00267 US-PATENT-APPL-SN-58147 US-PATENT-CLASS-60-35.5 US-PATENT-3,016,693	N70-34297* #	c 21	NASA-CASE-XGS-00466 US-PATENT-APPL-SN-123597 US-PATENT-CLASS-250-83.3 US-PATENT-3,188,472	N70-34815* #	c 11	NASA-CASE-XAC-00399 US-PATENT-APPL-SN-134481 US-PATENT-CLASS-35-12 US-PATENT-3,196,557
N70-33372*	c 28	NASA-CASE-XLE-00037 US-PATENT-APPL-SN-639589 US-PATENT-CLASS-253-39.15 US-PATENT-2,974,925	N70-34298* #	c 14	NASA-CASE-XMF-00462 US-PATENT-APPL-SN-148001 US-PATENT-CLASS-88-14 US-PATENT-3,185,023	N70-34816* #	c 14	NASA-CASE-XAC-00042 US-PATENT-APPL-SN-734805 US-PATENT-CLASS-73-398 US-PATENT-3,022,672
N70-33374*	c 28	NASA-CASE-XLA-00154 US-PATENT-APPL-SN-31242 US-PATENT-CLASS-60-35.6 US-PATENT-3,012,400	N70-34502* #	c 09	NASA-CASE-XMF-00421 US-PATENT-APPL-SN-197548 US-PATENT-CLASS-317-140 US-PATENT-3,189,794	N70-34817* #	c 15	NASA-CASE-XAC-00074 US-PATENT-APPL-SN-47123 US-PATENT-CLASS-137-340 US-PATENT-3,158,172
N70-33375*	c 28	NASA-CASE-XLE-00207 US-PATENT-APPL-SN-180370 US-PATENT-CLASS-60-35.6 US-PATENT-3,173,251	N70-34539* #	c 21	NASA-CASE-XMF-00185 US-PATENT-APPL-SN-97112 US-PATENT-CLASS-244-76 US-PATENT-3,070,330	N70-34818* #	c 14	NASA-CASE-XLE-00503 US-PATENT-APPL-SN-261912 US-PATENT-CLASS-73-136 US-PATENT-3,196,675
N70-33376*	c 15	NASA-CASE-XLE-00101 US-PATENT-APPL-SN-551961 US-PATENT-CLASS-251-173 US-PATENT-2,945,667	N70-34540* #	c 33	NASA-CASE-XLA-00330 US-PATENT-APPL-SN-264729 US-PATENT-CLASS-219-121 US-PATENT-3,201,560	N70-34819* #	c 09	NASA-CASE-XGS-00381 US-PATENT-APPL-SN-104188 US-PATENT-CLASS-307-88.5 US-PATENT-3,085,165
N70-33382*	c 15	NASA-CASE-XLE-00010 US-PATENT-APPL-SN-554899 US-PATENT-CLASS-266-19 US-PATENT-2,934,331	N70-34545* #	c 33	NASA-CASE-XLE-00490 US-PATENT-APPL-SN-252259 US-PATENT-CLASS-219-347 US-PATENT-3,189,726	N70-34820* #	c 14	NASA-CASE-XAC-00030 US-PATENT-APPL-SN-760819

		US-PATENT-CLASS-73-401				US-PATENT-APPL-SN-178721				US-PATENT-3,150,387
		US-PATENT-3,024,659				US-PATENT-CLASS-310-5				NASA-CASE-XMF-00923
N70-34844* #	c 11	NASA-CASE-XLE-00252				US-PATENT-3,205,381		N70-36802* #	c 28	US-PATENT-APPL-SN-264736
		US-PATENT-APPL-SN-144803		N70-35409* #	c 15	NASA-CASE-XHQ-01208				US-PATENT-CLASS-60-35.5
		US-PATENT-CLASS-73-116				US-PATENT-APPL-SN-42022				US-PATENT-3,159,967
		US-PATENT-3,199,343				US-PATENT-CLASS-121-38		N70-36803* #	c 03	NASA-CASE-XNP-00644
N70-34850* #	c 15	NASA-CASE-XLA-00754				US-PATENT-3,088,441				US-PATENT-APPL-SN-212496
		US-PATENT-APPL-SN-209479		N70-35422* #	c 28	NASA-CASE-LEW-10814-1				US-PATENT-CLASS-310-11
		US-PATENT-CLASS-244-100				US-PATENT-APPL-SN-38262				US-PATENT-3,158,764
		US-PATENT-3,143,321		N70-35423* #	c 08	NASA-CASE-XNP-00432		N70-36804* #	c 02	NASA-CASE-XLA-00898
N70-34856* #	c 02	NASA-CASE-XAC-00139				US-PATENT-APPL-SN-127234				US-PATENT-APPL-SN-227683
		US-PATENT-APPL-SN-168560				US-PATENT-CLASS-340-347				US-PATENT-CLASS-244-152
		US-PATENT-CLASS-244-51				US-PATENT-3,172,097				US-PATENT-3,170,660
		US-PATENT-3,144,999		N70-35425* #	c 09	NASA-CASE-XNP-00683		N70-36805* #	c 26	NASA-CASE-XLA-00158
N70-34857* #	c 05	NASA-CASE-XMS-00863				US-PATENT-APPL-SN-251451				US-PATENT-APPL-SN-221637
		US-PATENT-APPL-SN-221634				US-PATENT-CLASS-343-781				US-PATENT-CLASS-23-208
		US-PATENT-CLASS-9-11				US-PATENT-3,209,361				US-PATENT-3,174,827
		US-PATENT-3,155,992		N70-35427* #	c 21	NASA-CASE-XGS-00809		N70-36806* #	c 28	NASA-CASE-XLE-00145
N70-34858* #	c 02	NASA-CASE-XLA-00806				US-PATENT-APPL-SN-85585				US-PATENT-APPL-SN-173081
		US-PATENT-APPL-SN-181828				US-PATENT-CLASS-88-1				US-PATENT-CLASS-60-35.6
		US-PATENT-APPL-SN-26375				US-PATENT-3,083,611				US-PATENT-3,174,279
		US-PATENT-CLASS-244-46		N70-35440* #	c 09	NASA-CASE-XAC-00435		N70-36807* #	c 14	NASA-CASE-XLA-00100
		US-PATENT-3,170,657				US-PATENT-APPL-SN-164428				US-PATENT-APPL-SN-534901
N70-34859* #	c 15	NASA-CASE-XLE-00715				US-PATENT-CLASS-330-14				US-PATENT-CLASS-73-178
		US-PATENT-APPL-SN-212174				US-PATENT-3,196,362				US-PATENT-3,168,827
		US-PATENT-CLASS-251-333		N70-35534* #	c 27	NASA-CASE-XGS-03556		N70-36824* #	c 14	NASA-CASE-XLA-00481
		US-PATENT-3,191,907				US-PATENT-APPL-SN-94259				US-PATENT-APPL-SN-120797
N70-34860* #	c 28	NASA-CASE-XLE-00144				US-PATENT-CLASS-60-35.6				US-PATENT-CLASS-73-212
		US-PATENT-APPL-SN-177684				US-PATENT-3,191,379				US-PATENT-3,170,324
		US-PATENT-CLASS-60-35.6		N70-35587* #	c 14	NASA-CASE-FRC-10053		N70-36825* #	c 02	NASA-CASE-XLA-01583
		US-PATENT-3,120,101				US-PATENT-APPL-SN-33398				US-PATENT-APPL-SN-327565
N70-34861* #	c 15	NASA-CASE-XLE-00810		N70-35666* #	c 14	NASA-CASE-XNP-00646				US-PATENT-CLASS-244-103
		US-PATENT-APPL-SN-249540				US-PATENT-APPL-SN-173981				US-PATENT-3,169,001
		US-PATENT-CLASS-188-1				US-PATENT-CLASS-324-33		N70-36845* #	c 31	NASA-CASE-XMF-02108
		US-PATENT-3,164,222				US-PATENT-3,171,081				US-PATENT-APPL-SN-372727
N70-34946* #	c 06	NASA-CASE-XNP-00733		N70-35679* #	c 15	NASA-CASE-MSC-12279-1				US-PATENT-CLASS-244-100
		US-PATENT-APPL-SN-256484				US-PATENT-APPL-SN-24154				US-PATENT-3,181,821
		US-PATENT-CLASS-62-15		N70-36400* #	c 18	NASA-CASE-XMS-00259		N70-36846* #	c 33	NASA-CASE-XLA-00189
		US-PATENT-3,192,730				US-PATENT-APPL-SN-145007				US-PATENT-APPL-SN-223003
N70-34966* #	c 31	NASA-CASE-XFR-00929				US-PATENT-CLASS-117-69				US-PATENT-CLASS-102-49
		US-PATENT-APPL-SN-290868				US-PATENT-3,157,529				US-PATENT-3,180,264
		US-PATENT-CLASS-35-12		N70-36409* #	c 15	NASA-CASE-XLA-00482		N70-36847* #	c 33	NASA-CASE-XNP-00463
		US-PATENT-3,191,316				US-PATENT-APPL-SN-166970				US-PATENT-APPL-SN-259487
N70-34967* #	c 15	NASA-CASE-XNP-00595				US-PATENT-CLASS-29-423				US-PATENT-CLASS-165-96
		US-PATENT-APPL-SN-188594				US-PATENT-3,160,950				US-PATENT-3,177,933
		US-PATENT-CLASS-204-298		N70-36410* #	c 31	NASA-CASE-XMF-00641		N70-36901* #	c 15	NASA-CASE-XFR-00811
		US-PATENT-3,189,535				US-PATENT-APPL-SN-221945				US-PATENT-APPL-SN-257346
N70-35087* #	c 15	NASA-CASE-XGS-00587				US-PATENT-CLASS-244-1				US-PATENT-CLASS-29-234
		US-PATENT-APPL-SN-313135				US-PATENT-3,158,336				US-PATENT-3,166,834
		US-PATENT-CLASS-137-340		N70-36411* #	c 15	NASA-CASE-XLE-00164		N70-36907* #	c 14	NASA-CASE-XNP-00614
		US-PATENT-3,211,169				US-PATENT-APPL-SN-107870				US-PATENT-APPL-SN-247419
N70-35089* #	c 21	NASA-CASE-XNP-00438				US-PATENT-CLASS-60-39.66				US-PATENT-CLASS-33-1
		US-PATENT-APPL-SN-180381				US-PATENT-3,162,012				US-PATENT-3,163,935
		US-PATENT-CLASS-250-203		N70-36412* #	c 15	NASA-CASE-XLE-00170		N70-36908* #	c 15	NASA-CASE-XNP-00214
		US-PATENT-3,205,362				US-PATENT-APPL-SN-232914				US-PATENT-APPL-SN-180377
N70-35152* #	c 05	NASA-CASE-XMS-01240				US-PATENT-CLASS-253-66				US-PATENT-CLASS-137-625.69
		US-PATENT-APPL-SN-331324				US-PATENT-3,164,369				US-PATENT-3,140,728
		US-PATENT-CLASS-297-216		N70-36492* #	c 15	NASA-CASE-XLE-00397		N70-36910* #	c 28	NASA-CASE-XNP-00610
		US-PATENT-3,165,356				US-PATENT-APPL-SN-195346				US-PATENT-APPL-SN-211464
N70-35219* #	c 09	NASA-CASE-XNP-00611				US-PATENT-CLASS-137-614				US-PATENT-CLASS-60-35.6
		US-PATENT-APPL-SN-140443				US-PATENT-3,170,486				US-PATENT-3,170,290
		US-PATENT-CLASS-343-781		N70-36493* #	c 05	NASA-CASE-XMS-00864		N70-36911* #	c 07	NASA-CASE-XNP-00748
		US-PATENT-3,209,360				US-PATENT-APPL-SN-258932				US-PATENT-APPL-SN-184649
N70-35220* #	c 14	NASA-CASE-XNP-00449				US-PATENT-CLASS-9-316				US-PATENT-CLASS-343-17.2
		US-PATENT-APPL-SN-118169				US-PATENT-3,152,344				US-PATENT-3,183,506
		US-PATENT-CLASS-330-49		N70-36494* #	c 09	NASA-CASE-XMF-00369		N70-36913* #	c 11	NASA-CASE-XMF-00411
		US-PATENT-3,160,825				US-PATENT-APPL-SN-134782				US-PATENT-APPL-SN-158914
N70-35368* #	c 14	NASA-CASE-XLE-00035				US-PATENT-CLASS-339-176				US-PATENT-CLASS-73-147
		US-PATENT-APPL-SN-197554				US-PATENT-3,149,897				US-PATENT-3,182,496
		US-PATENT-CLASS-73-15.6		N70-36535* #	c 15	NASA-CASE-XLE-00303		N70-36938* #	c 21	NASA-CASE-XNP-00294
		US-PATENT-3,176,499				US-PATENT-APPL-SN-182692				US-PATENT-APPL-SN-182696
N70-35381* #	c 28	NASA-CASE-XHQ-01897				US-PATENT-CLASS-60-35.6				US-PATENT-CLASS-60-35.5
		US-PATENT-APPL-SN-129579				US-PATENT-3,170,286				US-PATENT-3,178,883
		US-PATENT-CLASS-60-35.6		N70-36536* #	c 32	NASA-CASE-XLA-00204		N70-36943* #	c 21	NASA-CASE-XLA-00281
		US-PATENT-3,121,309				US-PATENT-APPL-SN-189648				US-PATENT-APPL-SN-84962
N70-35382* #	c 09	NASA-CASE-XNP-00540				US-PATENT-CLASS-135-1				US-PATENT-CLASS-244-1
		US-PATENT-APPL-SN-140509				US-PATENT-3,170,471				US-PATENT-3,180,587
		US-PATENT-CLASS-343-781		N70-36616* #	c 17	NASA-CASE-XLE-00283		N70-36946* #	c 25	NASA-CASE-XLA-01354
		US-PATENT-3,212,096				US-PATENT-APPL-SN-107866				US-PATENT-APPL-SN-253774
N70-35383* #	c 11	NASA-CASE-XMF-00580				US-PATENT-CLASS-75-171				US-PATENT-CLASS-60-35.5
		US-PATENT-APPL-SN-343425				US-PATENT-3,167,426				US-PATENT-3,174,278
		US-PATENT-CLASS-248-119		N70-36617* #	c 33	NASA-CASE-XLA-01291		N70-36947* #	c 15	NASA-CASE-XNP-00416
		US-PATENT-3,194,525				US-PATENT-APPL-SN-277961				US-PATENT-APPL-SN-180395
N70-35394* #	c 14	NASA-CASE-XNP-00708				US-PATENT-CLASS-244-1				US-PATENT-CLASS-189-36
		US-PATENT-APPL-SN-281069				US-PATENT-3,176,933				US-PATENT-3,169,613
		US-PATENT-CLASS-35-45		N70-36618* #	c 14	NASA-CASE-XLE-00143		N70-37245* #	c 28	NASA-CASE-XLE-00376
		US-PATENT-3,196,558				US-PATENT-APPL-SN-104187				US-PATENT-APPL-SN-139007
N70-35395* #	c 21	NASA-CASE-XNP-00465				US-PATENT-CLASS-324-61				US-PATENT-CLASS-60-35.5
		US-PATENT-APPL-SN-180379				US-PATENT-3,176,222				US-PATENT-3,156,090
		US-PATENT-CLASS-244-1		N70-36654* #	c 31	NASA-CASE-XMF-02853		N70-37924* #	c 31	NASA-CASE-XGS-00260
		US-PATENT-3,206,141				US-PATENT-APPL-SN-360182				US-PATENT-APPL-SN-187446
N70-35407* #	c 15	NASA-CASE-XLE-00815				US-PATENT-CLASS-244-100				US-PATENT-CLASS-244-1
		US-PATENT-APPL-SN-300712				US-PATENT-3,175,789		N70-37925* #	c 15	NASA-CASE-XLA-00128
		US-PATENT-CLASS-251-11		N70-36778* #	c 03	NASA-CASE-XLA-00838				US-PATENT-APPL-SN-32496
		US-PATENT-3,211,414				US-PATENT-APPL-SN-192016				US-PATENT-CLASS-73-384
N70-35408* #	c 03	NASA-CASE-XGS-01593				US-PATENT-CLASS-9-8				

ACCESSION NUMBER INDEX

N70-40272

N70-37938* #	c 31	US-PATENT-3,093,000 NASA-CASE-XLA-00149 US-PATENT-APPL-SN-847023 US-PATENT-CLASS-244-1 US-PATENT-3,093,346	N70-38601* #	c 15	US-PATENT-3,135,090 NASA-CASE-XLA-00679 US-PATENT-APPL-SN-213836 US-PATENT-CLASS-188-1 US-PATENT-3,128,845	N70-39925* #	c 28	US-PATENT-3,229,884 NASA-CASE-XLE-00660 US-PATENT-APPL-SN-231604 US-PATENT-CLASS-313-11.5 US-PATENT-3,229,139
N70-37939* #	c 02	NASA-CASE-XLE-00222 US-PATENT-APPL-SN-77252 US-PATENT-CLASS-244-113 US-PATENT-3,098,630	N70-38602* #	c 14	NASA-CASE-XLE-00243 US-PATENT-APPL-SN-118203 US-PATENT-CLASS-324-106 US-PATENT-3,202,915	N70-39930* #	c 03	NASA-CASE-XLA-00791 US-PATENT-APPL-SN-347960 US-PATENT-CLASS-102-49 US-PATENT-3,229,636
N70-37979* #	c 33	NASA-CASE-XLA-00349 US-PATENT-APPL-SN-141220 US-PATENT-CLASS-62-467 US-PATENT-3,090,212	N70-38603* #	c 15	NASA-CASE-XNP-00450 US-PATENT-APPL-SN-180394 US-PATENT-CLASS-137-495 US-PATENT-3,105,515	N70-39931* #	c 28	NASA-CASE-XNP-01104 US-PATENT-APPL-SN-290867 US-PATENT-CLASS-60-39.48 US-PATENT-3,229,463
N70-37980* #	c 28	NASA-CASE-XLE-00342 US-PATENT-APPL-SN-60531 US-PATENT-CLASS-60-35.5 US-PATENT-3,119,232	N70-38604* #	c 09	NASA-CASE-XGS-00458 US-PATENT-APPL-SN-139006 US-PATENT-CLASS-307-88 US-PATENT-3,128,389	N70-40003* #	c 14	NASA-CASE-XGS-01036 US-PATENT-APPL-SN-227692 US-PATENT-CLASS-88-14 US-PATENT-3,229,568
N70-37981* #	c 31	NASA-CASE-XLA-00138 US-PATENT-APPL-SN-8204 US-PATENT-CLASS-343-18 US-PATENT-3,115,630	N70-38620* #	c 15	NASA-CASE-XNP-00476 US-PATENT-APPL-SN-182698 US-PATENT-CLASS-308-9 US-PATENT-3,132,903	N70-40015* #	c 26	NASA-CASE-XLA-02057 US-PATENT-APPL-SN-320595 US-PATENT-CLASS-23-277 US-PATENT-3,230,053
N70-37986* #	c 31	NASA-CASE-XLA-00241 US-PATENT-APPL-SN-61329 US-PATENT-CLASS-244-1 US-PATENT-3,104,079	N70-38645* #	c 28	NASA-CASE-XNP-00234 US-PATENT-APPL-SN-180382 US-PATENT-CLASS-60-35.54 US-PATENT-3,139,725	N70-40016* #	c 30	NASA-CASE-XGS-00619 US-PATENT-APPL-SN-264728 US-PATENT-CLASS-244-1 US-PATENT-3,229,930
N70-38009* #	c 02	NASA-CASE-XLA-00195 US-PATENT-APPL-SN-60536 US-PATENT-CLASS-244-140 US-PATENT-3,079,113	N70-38675* #	c 11	NASA-CASE-XNP-00459 US-PATENT-APPL-SN-180384 US-PATENT-CLASS-73-432 US-PATENT-3,187,583	N70-40062* #	c 15	NASA-CASE-XMS-01624 US-PATENT-APPL-SN-422867 US-PATENT-CLASS-55-408 US-PATENT-3,224,173
N70-38010* #	c 31	NASA-CASE-XLA-00805 US-PATENT-APPL-SN-181829 US-PATENT-CLASS-244-46 US-PATENT-3,120,361	N70-38676* #	c 31	NASA-CASE-XLA-00258 US-PATENT-APPL-SN-101029 US-PATENT-CLASS-244-1 US-PATENT-3,144,219	N70-40063* #	c 07	NASA-CASE-XMS-00893 US-PATENT-APPL-SN-251449 US-PATENT-CLASS-343-18 US-PATENT-3,224,001
N70-38011* #	c 02	NASA-CASE-XLA-00350 US-PATENT-APPL-SN-153266 US-PATENT-CLASS-244-46 US-PATENT-3,104,082	N70-38710* #	c 28	NASA-CASE-XMF-00148 US-PATENT-APPL-SN-118202 US-PATENT-CLASS-60-35.6 US-PATENT-3,122,885	N70-40123* #	c 09	NASA-CASE-XGS-01881 US-PATENT-APPL-SN-155584 US-PATENT-CLASS-324-43 US-PATENT-3,218,547
N70-38020* #	c 15	NASA-CASE-XLE-00345 US-PATENT-APPL-SN-183978 US-PATENT-CLASS-62-55 US-PATENT-3,122,000	N70-38711* #	c 28	NASA-CASE-XLE-00057 US-PATENT-APPL-SN-0914 US-PATENT-CLASS-60-35.55 US-PATENT-3,080,711	N70-40124* #	c 12	NASA-CASE-XLE-01512 US-PATENT-APPL-SN-315096 US-PATENT-CLASS-149-2 US-PATENT-3,215,572
N70-38181* #	c 28	NASA-CASE-XNP-00217 US-PATENT-APPL-SN-180374 US-PATENT-CLASS-102-49 US-PATENT-3,122,098	N70-38712* #	c 09	NASA-CASE-XMF-01129 US-PATENT-APPL-SN-273534 US-PATENT-CLASS-318-260 US-PATENT-3,147,422	N70-40125* #	c 08	NASA-CASE-XAC-00404 US-PATENT-APPL-SN-209801 US-PATENT-CLASS-340-347 US-PATENT-3,216,007
N70-38182* #	c 11	NASA-CASE-XNP-00612 US-PATENT-APPL-SN-228507 US-PATENT-CLASS-220-63 US-PATENT-3,123,248	N70-38713* #	c 03	NASA-CASE-XGS-00473 US-PATENT-APPL-SN-139012 US-PATENT-CLASS-200-39 US-PATENT-3,141,932	N70-40156* #	c 15	NASA-CASE-XLA-01019 US-PATENT-APPL-SN-282817 US-PATENT-CLASS-248-358 US-PATENT-3,223,374
N70-38196* #	c 11	NASA-CASE-XMF-00424 US-PATENT-APPL-SN-159804 US-PATENT-CLASS-73-517 US-PATENT-3,141,340	N70-38995* #	c 09	NASA-CASE-XGS-00131 US-PATENT-APPL-SN-14488 US-PATENT-CLASS-331-113 US-PATENT-3,150,329	N70-40157* #	c 14	NASA-CASE-XLA-00487 US-PATENT-APPL-SN-236748 US-PATENT-CLASS-73-178 US-PATENT-3,221,549
N70-38197* #	c 28	NASA-CASE-XLE-00455 US-PATENT-APPL-SN-203409 US-PATENT-CLASS-75-222 US-PATENT-3,141,769	N70-38996* #	c 15	NASA-CASE-XNP-00676 US-PATENT-APPL-SN-290870 US-PATENT-CLASS-222-389 US-PATENT-3,170,605	N70-40180* #	c 15	NASA-CASE-XAC-00472 US-PATENT-APPL-SN-236749 US-PATENT-CLASS-73-142 US-PATENT-3,224,263
N70-38198* #	c 17	NASA-CASE-XLE-00231 US-PATENT-APPL-SN-64226 US-PATENT-CLASS-22-203 US-PATENT-3,138,837	N70-38997* #	c 12	NASA-CASE-XMF-00658 US-PATENT-APPL-SN-216710 US-PATENT-CLASS-137-1 US-PATENT-3,110,318	N70-40201* #	c 14	NASA-CASE-XLE-00720 US-PATENT-APPL-SN-302749 US-PATENT-CLASS-73-134 US-PATENT-3,221,547
N70-38199* #	c 28	NASA-CASE-XLE-00111 US-PATENT-APPL-SN-835152 US-PATENT-CLASS-60-39.48 US-PATENT-3,136,123	N70-38998* #	c 09	NASA-CASE-XNP-00431 US-PATENT-APPL-SN-180380 US-PATENT-CLASS-340-147 US-PATENT-3,100,294	N70-40202* #	c 07	NASA-CASE-XMF-00437 US-PATENT-APPL-SN-120795 US-PATENT-CLASS-343-705 US-PATENT-3,077,599
N70-38200* #	c 07	NASA-CASE-XLA-00414 US-PATENT-APPL-SN-209478 US-PATENT-CLASS-343-705 US-PATENT-3,132,342	N70-39895* #	c 28	NASA-CASE-XLE-00085 US-PATENT-APPL-SN-25175 US-PATENT-CLASS-253-66 US-PATENT-3,070,349	N70-40203* #	c 14	NASA-CASE-XLE-00702 US-PATENT-APPL-SN-258931 US-PATENT-CLASS-73-116 US-PATENT-3,201,980
N70-38201* #	c 09	NASA-CASE-XNP-00738 US-PATENT-APPL-SN-204015 US-PATENT-CLASS-174-115 US-PATENT-3,106,603	N70-39896* #	c 15	NASA-CASE-XMF-00339 US-PATENT-APPL-SN-110591 US-PATENT-CLASS-308-9 US-PATENT-3,070,407	N70-40204* #	c 15	NASA-CASE-XMF-00722 US-PATENT-APPL-SN-347626 US-PATENT-CLASS-228-50 US-PATENT-3,219,250
N70-38202* #	c 11	NASA-CASE-XNP-00425 US-PATENT-APPL-SN-180396 US-PATENT-CLASS-89-1.7 US-PATENT-3,112,672	N70-39897* #	c 18	NASA-CASE-XLE-00353 US-PATENT-APPL-SN-65548 US-PATENT-CLASS-252-58 US-PATENT-3,072,574	N70-40233* #	c 14	NASA-CASE-XMS-01546 US-PATENT-APPL-SN-386467 US-PATENT-CLASS-222-45 US-PATENT-3,228,558
N70-38225* #	c 15	NASA-CASE-XNP-00840 US-PATENT-APPL-SN-269222 US-PATENT-CLASS-267-1 US-PATENT-3,127,157	N70-39898* #	c 14	NASA-CASE-XMF-00480 US-PATENT-APPL-SN-144804 US-PATENT-CLASS-248-346 US-PATENT-3,069,123	N70-40234* #	c 09	NASA-CASE-XLE-01716 US-PATENT-APPL-SN-349778 US-PATENT-CLASS-126-270 US-PATENT-3,229,682
N70-38249* #	c 28	NASA-CASE-XNP-00249 US-PATENT-APPL-SN-180391 US-PATENT-CLASS-60-35.6 US-PATENT-3,120,738	N70-39899* #	c 28	NASA-CASE-XLE-00005 US-PATENT-APPL-SN-718095 US-PATENT-CLASS-60-35.6 US-PATENT-3,067,573	N70-40238* #	c 14	NASA-CASE-XMF-00908 US-PATENT-APPL-SN-241085 US-PATENT-CLASS-250-201 US-PATENT-3,229,099
N70-38490* #	c 17	NASA-CASE-XLE-00228 US-PATENT-APPL-SN-64224 US-PATENT-CLASS-29-183.5 US-PATENT-3,084,421	N70-39915* #	c 09	NASA-CASE-XAC-00060 US-PATENT-APPL-SN-47121 US-PATENT-CLASS-200-19 US-PATENT-3,076,065	N70-40239* #	c 14	NASA-CASE-XLA-00183 US-PATENT-APPL-SN-199202 US-PATENT-CLASS-250-203 US-PATENT-3,229,102
N70-38504* #	c 28	NASA-CASE-XMS-00583 US-PATENT-APPL-SN-182699 US-PATENT-CLASS-60-35.6 US-PATENT-3,135,089	N70-39922* #	c 05	NASA-CASE-XMS-01115 US-PATENT-APPL-SN-277404 US-PATENT-CLASS-128-29 US-PATENT-3,229,689	N70-40240* #	c 14	NASA-CASE-XHQ-04106 US-PATENT-APPL-SN-91180 US-PATENT-CLASS-250-105 US-PATENT-3,143,651
N70-38505* #	c 28	NASA-CASE-XLE-00323 US-PATENT-APPL-SN-183977 US-PATENT-CLASS-60-35.6	N70-39924* #	c 15	NASA-CASE-XMF-00640 US-PATENT-APPL-SN-341467 US-PATENT-CLASS-228-50	N70-40272* #	c 09	NASA-CASE-XMF-00701 US-PATENT-APPL-SN-261917 US-PATENT-CLASS-307-88.5

N70-40273* #	c 14	US-PATENT-3,218,479	N70-41580* #	c 03	US-PATENT-3,295,556	N70-41811* #	c 15	US-PATENT-3,287,031
		NASA-CASE-XNP-00637			NASA-CASE-XLA-04622			NASA-CASE-XNP-01152
		US-PATENT-APPL-SN-280776			US-PATENT-APPL-SN-277833			US-PATENT-APPL-SN-369337
		US-PATENT-CLASS-95-58			US-PATENT-CLASS-126-270			US-PATENT-CLASS-137-539
N70-40309* #	c 30	US-PATENT-3,217,624	N70-41581* #	c 05	US-PATENT-3,295,512	N70-41812* #	c 14	US-PATENT-3,302,662
		NASA-CASE-XLA-00210			NASA-CASE-XAC-01404			NASA-CASE-XMS-03792
		US-PATENT-APPL-SN-82658			US-PATENT-APPL-SN-363348			US-PATENT-APPL-SN-516159
		US-PATENT-CLASS-343-18			US-PATENT-CLASS-74-471			US-PATENT-CLASS-200-61.45
N70-40353* #	c 30	US-PATENT-3,220,004	N70-41582* #	c 28	US-PATENT-3,295,386	N70-41818* #	c 28	US-PATENT-3,303,304
		NASA-CASE-XMF-03198			NASA-CASE-XMF-01813			NASA-CASE-XLE-00150
		US-PATENT-APPL-SN-370134			US-PATENT-APPL-SN-375674			US-PATENT-APPL-SN-843032
		US-PATENT-CLASS-89-1.7			US-PATENT-CLASS-181-52			US-PATENT-CLASS-29-157.3
N70-40354* #	c 15	US-PATENT-3,224,336	N70-41583* #	c 18	US-PATENT-3,270,835	N70-41819* #	c 05	US-PATENT-3,303,333
		NASA-CASE-XMF-01045			NASA-CASE-XMF-01030			NASA-CASE-XAC-00405
		US-PATENT-APPL-SN-355130			US-PATENT-APPL-SN-317389			US-PATENT-APPL-SN-158916
		US-PATENT-CLASS-188-1			US-PATENT-CLASS-161-115			US-PATENT-CLASS-128-1
N70-40367* #	c 28	US-PATENT-3,228,492	N70-41588* #	c 31	US-PATENT-3,296,060	N70-41829* #	c 15	US-PATENT-3,302,633
		NASA-CASE-XLE-00177			NASA-CASE-XMF-01973			NASA-CASE-XMF-01371
		US-PATENT-APPL-SN-10812			US-PATENT-APPL-SN-375682			US-PATENT-APPL-SN-353634
		US-PATENT-CLASS-60-35.3			US-PATENT-CLASS-244-1			US-PATENT-CLASS-287-119
N70-40400* #	c 14	US-PATENT-3,045,424	N70-41589* #	c 02	US-PATENT-3,295,790	N70-41855* #	c 31	US-PATENT-3,302,960
		NASA-CASE-XAC-00648			NASA-CASE-XMF-01174			NASA-CASE-XNP-02982
		US-PATENT-APPL-SN-216939			US-PATENT-APPL-SN-410331			US-PATENT-APPL-SN-388966
		US-PATENT-CLASS-73-147			US-PATENT-CLASS-244-100			US-PATENT-CLASS-244-1
N70-41275* #	c 28	US-PATENT-3,218,850	N70-41628* #	c 25	US-PATENT-3,295,798	N70-41856* #	c 21	US-PATENT-3,304,028
		NASA-CASE-XNP-01390			NASA-CASE-XAC-00319			NASA-CASE-XNP-01307
		US-PATENT-APPL-SN-424157			US-PATENT-APPL-SN-77251			US-PATENT-APPL-SN-390250
		US-PATENT-CLASS-60-259			US-PATENT-CLASS-315-111			US-PATENT-CLASS-244-1
N70-41297* #	c 05	US-PATENT-3,300,981	N70-41629* #	c 15	US-PATENT-3,229,155	N70-41863* #	c 02	US-PATENT-3,286,953
		NASA-CASE-XMS-01492			NASA-CASE-XGS-02441			NASA-CASE-XLA-01220
		US-PATENT-APPL-SN-398131			US-PATENT-APPL-SN-411944			US-PATENT-APPL-SN-379417
		US-PATENT-CLASS-55-35			US-PATENT-CLASS-285-331			US-PATENT-CLASS-244-16
N70-41310* #	c 15	US-PATENT-3,300,949	N70-41630* #	c 02	US-PATENT-3,301,578	N70-41864* #	c 03	US-PATENT-3,286,957
		NASA-CASE-XNP-01567			NASA-CASE-XMS-00907			NASA-CASE-XGS-01419
		US-PATENT-APPL-SN-448898			US-PATENT-APPL-SN-428890			US-PATENT-APPL-SN-323182
		US-PATENT-CLASS-248-178			US-PATENT-CLASS-244-138			US-PATENT-CLASS-136-179
N70-41311* #	c 28	US-PATENT-3,295,808	N70-41631* #	c 31	US-PATENT-3,301,511	N70-41871* #	c 31	US-PATENT-3,287,174
		NASA-CASE-XNP-00876			NASA-CASE-XMS-04142			NASA-CASE-XMS-04390
		US-PATENT-APPL-SN-377784			US-PATENT-APPL-SN-422865			US-PATENT-APPL-SN-502729
		US-PATENT-CLASS-60-251			US-PATENT-CLASS-244-1			US-PATENT-CLASS-62-45
N70-41329* #	c 05	US-PATENT-3,298,182	N70-41646* #	c 15	US-PATENT-3,301,507	N70-41897* #	c 27	US-PATENT-3,304,729
		NASA-CASE-XMS-01615			NASA-CASE-XLE-01449			NASA-CASE-XNP-01749
		US-PATENT-APPL-SN-329595			US-PATENT-APPL-SN-330209			US-PATENT-APPL-SN-440033
		US-PATENT-CLASS-128-2.05			US-PATENT-CLASS-137-197			US-PATENT-CLASS-149-109
N70-41330* #	c 14	US-PATENT-3,298,362	N70-41647* #	c 14	US-PATENT-3,295,545	N70-41922* #	c 28	US-PATENT-3,305,415
		NASA-CASE-XLE-00688			NASA-CASE-XGS-00769			NASA-CASE-XNP-02839
		US-PATENT-APPL-SN-334672			US-PATENT-APPL-SN-319893			US-PATENT-APPL-SN-477333
		US-PATENT-CLASS-73-32			US-PATENT-CLASS-242-55.19			US-PATENT-CLASS-60-202
N70-41331* #	c 07	US-PATENT-3,298,221	N70-41655* #	c 09	US-PATENT-3,295,782	N70-41929* #	c 09	US-PATENT-3,304,718
		NASA-CASE-XLA-01400			NASA-CASE-XMF-00906			NASA-CASE-XNP-01951
		US-PATENT-APPL-SN-363653			US-PATENT-APPL-SN-264731			US-PATENT-APPL-SN-413662
		US-PATENT-CLASS-325-65			US-PATENT-CLASS-324-113			US-PATENT-CLASS-335-300
N70-41332* #	c 14	US-PATENT-3,296,531	N70-41675* #	c 09	US-PATENT-3,287,640	N70-41930* #	c 21	US-PATENT-3,305,810
		NASA-CASE-XLA-00495			NASA-CASE-XMS-01315			NASA-CASE-XNP-01501
		US-PATENT-APPL-SN-269215			US-PATENT-APPL-SN-347101			US-PATENT-APPL-SN-432027
		US-PATENT-CLASS-324-70			US-PATENT-CLASS-307-88.5			US-PATENT-CLASS-343-12
N70-41366* #	c 14	US-PATENT-3,296,526	N70-41676* #	c 14	US-PATENT-3,302,040	N70-41946* #	c 14	US-PATENT-3,305,861
		NASA-CASE-XLA-01353			NASA-CASE-XGS-01231			NASA-CASE-XLE-00011
		US-PATENT-APPL-SN-403960			US-PATENT-APPL-SN-346356			US-PATENT-APPL-SN-735911
		US-PATENT-CLASS-73-147			US-PATENT-CLASS-250-71			US-PATENT-CLASS-88-14
N70-41367* #	c 32	US-PATENT-3,301,046	N70-41677* #	c 11	US-PATENT-3,302,023	N70-41948* #	c 31	US-PATENT-2,960,002
		NASA-CASE-XGS-00938			NASA-CASE-XMF-01772			NASA-CASE-XMF-01899
		US-PATENT-APPL-SN-392970			US-PATENT-APPL-SN-370135			US-PATENT-APPL-SN-428882
		US-PATENT-CLASS-214-1			US-PATENT-CLASS-73-116			US-PATENT-CLASS-60-257
N70-41370* #	c 32	US-PATENT-3,295,699	N70-41678* #	c 07	US-PATENT-3,295,366	N70-41954* #	c 03	US-PATENT-3,304,724
		NASA-CASE-XNP-01962			NASA-CASE-XGS-02608			NASA-CASE-XAC-03392
		US-PATENT-APPL-SN-369640			US-PATENT-APPL-SN-456578			US-PATENT-APPL-SN-430776
		US-PATENT-CLASS-92-94			US-PATENT-CLASS-343-18			US-PATENT-CLASS-74-519
N70-41371* #	c 15	US-PATENT-3,296,205	N70-41679* #	c 15	US-PATENT-3,289,205	N70-41955* #	c 14	US-PATENT-3,304,799
		NASA-CASE-XMF-01452			NASA-CASE-XLA-01441			NASA-CASE-XNP-02029
		US-PATENT-APPL-SN-356692			US-PATENT-APPL-SN-516151			US-PATENT-APPL-SN-221276
		US-PATENT-CLASS-29-271			US-PATENT-CLASS-102-49			US-PATENT-CLASS-88-14
N70-41372* #	c 07	US-PATENT-3,300,847	N70-41680* #	c 07	US-PATENT-3,302,569	N70-41957* #	c 14	US-PATENT-3,323,408
		NASA-CASE-XLA-01127			NASA-CASE-XNP-02723			NASA-CASE-XAC-01101
		US-PATENT-APPL-SN-363654			US-PATENT-APPL-SN-371857			US-PATENT-APPL-SN-355129
		US-PATENT-CLASS-325-65			US-PATENT-CLASS-343-14			US-PATENT-CLASS-73-141
N70-41373* #	c 31	US-PATENT-3,300,731	N70-41681* #	c 14	US-PATENT-3,287,725	N70-41960* #	c 15	US-PATENT-3,304,773
		NASA-CASE-XMS-01906			NASA-CASE-XAC-02897			NASA-CASE-XNP-05082
		US-PATENT-APPL-SN-339040			US-PATENT-APPL-SN-449902			US-PATENT-APPL-SN-521753
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-73-30			US-PATENT-CLASS-174-68.5
N70-41447* #	c 28	US-PATENT-3,300,162	N70-41682* #	c 14	US-PATENT-3,295,300	N70-41961* #	c 08	US-PATENT-3,321,570
		NASA-CASE-XNP-00732			NASA-CASE-XMS-05936			NASA-CASE-XNP-00911
		US-PATENT-APPL-SN-261918			US-PATENT-APPL-SN-557868			US-PATENT-APPL-SN-280777
		US-PATENT-CLASS-210-314			US-PATENT-CLASS-73-517			US-PATENT-CLASS-178-67
N70-41576* #	c 28	US-PATENT-3,295,684	N70-41717* #	c 09	US-PATENT-3,295,377	N70-41964* #	c 10	US-PATENT-3,305,636
		NASA-CASE-XLE-00519			NASA-CASE-XMS-02087			NASA-CASE-XGS-01983
		US-PATENT-APPL-SN-249542			US-PATENT-APPL-SN-439489			US-PATENT-APPL-SN-388023
		US-PATENT-CLASS-313-63			US-PATENT-CLASS-165-1			US-PATENT-CLASS-333-79
N70-41578* #	c 16	US-PATENT-3,287,582	N70-41807* #	c 14	US-PATENT-3,301,315	N70-41967* #	c 28	US-PATENT-3,305,801
		NASA-CASE-XGS-01504			NASA-CASE-XNP-01472			NASA-CASE-XLA-02651
		US-PATENT-APPL-SN-340113			US-PATENT-APPL-SN-321652			US-PATENT-APPL-SN-449901
		US-PATENT-CLASS-331-94			US-PATENT-CLASS-178-7.2			US-PATENT-CLASS-102-49
N70-41579* #	c 32	US-PATENT-3,287,660	N70-41808* #	c 15	US-PATENT-3,287,496	N70-41991* #	c 10	US-PATENT-3,304,865
		NASA-CASE-XLE-00620			NASA-CASE-XMS-02532			NASA-CASE-XNP-03128
		US-PATENT-APPL-SN-304698			US-PATENT-APPL-SN-398132			US-PATENT-APPL-SN-397665
		US-PATENT-CLASS-138-119			US-PATENT-CLASS-285-27			US-PATENT-CLASS-250-83

ACCESSION NUMBER INDEX

N71-11194

N70-41992* #	c 28	US-PATENT-3,321,628 NASA-CASE-XLE-00685 US-PATENT-APPL-SN-407595 US-PATENT-CLASS-60-260 US-PATENT-3,321,922	N71-10616* #	c 14	US-PATENT-3,311,315 NASA-CASE-XMF-02433 US-PATENT-APPL-SN-405630 US-PATENT-CLASS-73-70.2 US-PATENT-3,310,978	N71-10781* #	c 14	US-PATENT-3,316,716 NASA-CASE-XLE-01481 US-PATENT-APPL-SN-319905 US-PATENT-CLASS-73-99 US-PATENT-3,282,091
N70-41993* #	c 15	NASA-CASE-XLE-01300 US-PATENT-APPL-SN-380960 US-PATENT-CLASS-73-100 US-PATENT-3,323,356	N71-10617* #	c 15	NASA-CASE-XMF-01887 US-PATENT-APPL-SN-422868 US-PATENT-CLASS-308-5 US-PATENT-3,325,229	N71-10782* #	c 15	NASA-CASE-XKS-01985 US-PATENT-APPL-SN-357337 US-PATENT-CLASS-285-24 US-PATENT-3,319,979
N70-41994* #	c 14	NASA-CASE-XMF-02822 US-PATENT-APPL-SN-403959 US-PATENT-CLASS-73-194 US-PATENT-3,323,362	N71-10618* #	c 09	NASA-CASE-XNP-03332 US-PATENT-APPL-SN-368123 US-PATENT-CLASS-313-63 US-PATENT-3,311,772	N71-10797* #	c 14	NASA-CASE-XLE-01246 US-PATENT-APPL-SN-249537 US-PATENT-CLASS-324-61 US-PATENT-3,324,388
N70-42000* #	c 05	NASA-CASE-XMS-03371 US-PATENT-APPL-SN-418931 US-PATENT-CLASS-73-432 US-PATENT-3,323,370	N71-10658* #	c 15	NASA-CASE-XMS-03252 US-PATENT-APPL-SN-425362 US-PATENT-CLASS-60-54.5 US-PATENT-3,318,093	N71-10798* #	c 09	NASA-CASE-XMS-00945 US-PATENT-APPL-SN-385530 US-PATENT-CLASS-330-22 US-PATENT-3,319,175
N70-42003* #	c 32	NASA-CASE-XLA-02131 US-PATENT-APPL-SN-377777 US-PATENT-CLASS-73-90 US-PATENT-3,304,768	N71-10659* #	c 09	NASA-CASE-XNP-01383 US-PATENT-APPL-SN-369336 US-PATENT-CLASS-324-77 US-PATENT-3,317,832	N71-10799* #	c 15	NASA-CASE-XLA-01807 US-PATENT-APPL-SN-442558 US-PATENT-CLASS-287-189.36 US-PATENT-3,318,622
N70-42015* #	c 31	NASA-CASE-XLA-01967 US-PATENT-APPL-SN-457875 US-PATENT-CLASS-244-135 US-PATENT-3,321,159	N71-10672* #	c 15	NASA-CASE-XLA-01091 US-PATENT-APPL-SN-351259 US-PATENT-CLASS-264-102 US-PATENT-3,317,641	N71-10809* #	c 15	NASA-CASE-XMF-02107 US-PATENT-APPL-SN-384811 US-PATENT-CLASS-140-124 US-PATENT-3,318,343
N70-42016* #	c 02	NASA-CASE-XLA-01290 US-PATENT-APPL-SN-393451 US-PATENT-CLASS-244-42 US-PATENT-3,321,157	N71-10673* #	c 09	NASA-CASE-XGS-01473 US-PATENT-APPL-SN-364867 US-PATENT-CLASS-307-88.5 US-PATENT-3,317,751	N71-11037* #	c 02	NASA-CASE-XLA-06824-2 US-PATENT-APPL-SN-775966 US-PATENT-CLASS-244-31 US-PATENT-3,508,724
N70-42017* #	c 15	NASA-CASE-XMS-04072 US-PATENT-APPL-SN-485960 US-PATENT-CLASS-30-228 US-PATENT-3,320,669	N71-10676* #	c 07	NASA-CASE-XNP-03134 US-PATENT-APPL-SN-422095 US-PATENT-CLASS-333-21 US-PATENT-3,324,423	N71-11038* #	c 02	NASA-CASE-XLA-06958 US-PATENT-APPL-SN-551815 US-PATENT-CLASS-244-44 US-PATENT-3,310,261
N70-42032* #	c 10	NASA-CASE-XNP-02654 US-PATENT-APPL-SN-435387 US-PATENT-CLASS-307-88.5 US-PATENT-3,321,645	N71-10677* #	c 09	NASA-CASE-XGS-01451 US-PATENT-APPL-SN-405629 US-PATENT-CLASS-318-138 US-PATENT-3,324,370	N71-11039* #	c 02	NASA-CASE-MSC-12111-1 US-PATENT-APPL-SN-775877 US-PATENT-CLASS-244-23 US-PATENT-3,490,721
N70-42033* #	c 15	NASA-CASE-XNP-02092 US-PATENT-APPL-SN-371856 US-PATENT-CLASS-156-345 US-PATENT-3,323,967	N71-10678* #	c 21	NASA-CASE-XGS-01159 US-PATENT-APPL-SN-332313 US-PATENT-CLASS-250-203 US-PATENT-3,311,748	N71-11041* #	c 02	NASA-CASE-XLA-03659 US-PATENT-APPL-SN-444087 US-PATENT-CLASS-244-46 US-PATENT-3,270,989
N70-42034* #	c 15	NASA-CASE-XNP-01412 US-PATENT-APPL-SN-426702 US-PATENT-CLASS-175-310 US-PATENT-3,321,034	N71-10728* #	c 03	NASA-CASE-XNP-01464 US-PATENT-APPL-SN-430778 US-PATENT-CLASS-136-182 US-PATENT-3,317,352	N71-11043* #	c 02	NASA-CASE-XLA-08801-1 US-PATENT-APPL-SN-710533 US-PATENT-CLASS-244-43 US-PATENT-3,493,197
N70-42073* #	c 03	NASA-CASE-XFR-04104 US-PATENT-APPL-SN-476759 US-PATENT-CLASS-74-471 US-PATENT-3,323,386	N71-10746* #	c 11	NASA-CASE-XMS-02977 US-PATENT-APPL-SN-416938 US-PATENT-CLASS-35-12 US-PATENT-3,281,963	N71-11049* #	c 03	NASA-CASE-NPO-10109 US-PATENT-APPL-SN-701654 US-PATENT-CLASS-136-89 US-PATENT-3,532,551
N70-42074* #	c 14	NASA-CASE-XLE-02998 US-PATENT-APPL-SN-516794 US-PATENT-CLASS-116-117 US-PATENT-3,323,484	N71-10747* #	c 31	NASA-CASE-XMF-00442 US-PATENT-APPL-SN-202030 US-PATENT-CLASS-343-705 US-PATENT-3,277,486	N71-11050* #	c 03	NASA-CASE-XNP-06506 US-PATENT-APPL-SN-577778 US-PATENT-CLASS-136-89 US-PATENT-3,446,676
N70-42075* #	c 31	NASA-CASE-XMS-02677 US-PATENT-APPL-SN-472066 US-PATENT-CLASS-244-1 US-PATENT-3,321,154	N71-10748* #	c 11	NASA-CASE-XFR-04147 US-PATENT-APPL-SN-476761 US-PATENT-CLASS-35-12 US-PATENT-3,281,965	N71-11051* #	c 03	NASA-CASE-XNP-03378 US-PATENT-APPL-SN-360878 US-PATENT-CLASS-136-170 US-PATENT-3,282,740
N71-10500* #	c 14	NASA-CASE-XLE-01609 US-PATENT-APPL-SN-438797 US-PATENT-CLASS-73-290 US-PATENT-3,326,043	N71-10771* #	c 21	NASA-CASE-XNP-03914 US-PATENT-APPL-SN-468647 US-PATENT-CLASS-250-203 US-PATENT-3,317,731	N71-11052* #	c 03	NASA-CASE-XLE-04526 US-PATENT-APPL-SN-640457 US-PATENT-CLASS-136-86 US-PATENT-3,507,704
N71-10560* #	c 24	NASA-CASE-XLE-00808 US-PATENT-APPL-SN-307269 US-PATENT-CLASS-148-188 US-PATENT-3,310,443	N71-10772* #	c 18	NASA-CASE-XLE-01765 US-PATENT-APPL-SN-316477 US-PATENT-CLASS-117-65.2 US-PATENT-3,317,341	N71-11053* #	c 03	NASA-CASE-XGS-00886 US-PATENT-APPL-SN-319894 US-PATENT-CLASS-136-132 US-PATENT-3,282,739
N71-10574* #	c 28	NASA-CASE-XLE-01902 US-PATENT-APPL-SN-485656 US-PATENT-CLASS-60-202 US-PATENT-3,324,659	N71-10773* #	c 14	NASA-CASE-XLA-02605 US-PATENT-APPL-SN-459138 US-PATENT-CLASS-177-210 US-PATENT-3,316,991	N71-11055* #	c 03	NASA-CASE-XMF-05843 US-PATENT-APPL-SN-666553 US-PATENT-CLASS-310-4 US-PATENT-3,509,386
N71-10577* #	c 15	NASA-CASE-XLE-04677 US-PATENT-APPL-SN-447928 US-PATENT-CLASS-220-67 US-PATENT-3,326,407	N71-10774* #	c 14	NASA-CASE-XLA-01131 US-PATENT-APPL-SN-322545 US-PATENT-CLASS-73-23 US-PATENT-3,312,101	N71-11056* #	c 03	NASA-CASE-XNP-05821 US-PATENT-APPL-SN-545223 US-PATENT-CLASS-136-89 US-PATENT-3,493,437
N71-10578* #	c 10	NASA-CASE-XMS-01554 US-PATENT-APPL-SN-414482 US-PATENT-CLASS-323-8 US-PATENT-3,325,723	N71-10775* #	c 07	NASA-CASE-XLA-00901 US-PATENT-APPL-SN-269212 US-PATENT-CLASS-325-305 US-PATENT-3,311,832	N71-11057* #	c 03	NASA-CASE-MSC-13112 US-PATENT-APPL-SN-765738 US-PATENT-CLASS-290-40 US-PATENT-3,508,070
N71-10582* #	c 31	NASA-CASE-XLA-02132 US-PATENT-APPL-SN-453227 US-PATENT-CLASS-102-49 US-PATENT-3,286,630	N71-10776* #	c 11	NASA-CASE-XLA-03127 US-PATENT-APPL-SN-447927 US-PATENT-CLASS-35-12 US-PATENT-3,281,964	N71-11058* #	c 03	NASA-CASE-XGS-01475 US-PATENT-APPL-SN-344793 US-PATENT-CLASS-244-1 US-PATENT-3,459,391
N71-10604* #	c 11	NASA-CASE-XMF-03248 US-PATENT-APPL-SN-377780 US-PATENT-CLASS-73-116 US-PATENT-3,310,980	N71-10777* #	c 11	NASA-CASE-XLE-01533 US-PATENT-APPL-SN-334678 US-PATENT-CLASS-55-400 US-PATENT-3,282,035	N71-11189* #	c 05	NASA-CASE-XFR-10856 US-PATENT-APPL-SN-626376 US-PATENT-CLASS-136-86 US-PATENT-3,534,727
N71-10607* #	c 26	NASA-CASE-XLE-02792 US-PATENT-APPL-SN-352400 US-PATENT-CLASS-148-1.5 US-PATENT-3,311,510	N71-10778* #	c 15	NASA-CASE-XNP-00710 US-PATENT-APPL-SN-271821 US-PATENT-CLASS-251-61 US-PATENT-3,317,180	N71-11190* #	c 05	NASA-CASE-XMS-04935 US-PATENT-APPL-SN-518487 US-PATENT-CLASS-128-142.5 US-PATENT-3,502,074
N71-10608* #	c 03	NASA-CASE-XGS-03505 US-PATENT-APPL-SN-498167 US-PATENT-CLASS-136-28 US-PATENT-3,311,502	N71-10779* #	c 14	NASA-CASE-XMF-02307 US-PATENT-APPL-SN-422869 US-PATENT-CLASS-73-40.5 US-PATENT-3,316,752	N71-11193* #	c 05	NASA-CASE-ARC-10043-1 US-PATENT-APPL-SN-676012 US-PATENT-CLASS-128-2.1 US-PATENT-3,508,541
N71-10609* #	c 07	NASA-CASE-XGS-01223 US-PATENT-APPL-SN-319892 US-PATENT-CLASS-242-55.19	N71-10780* #	c 28	NASA-CASE-XLA-01043 US-PATENT-APPL-SN-379768 US-PATENT-CLASS-60-225	N71-11194* #	c 05	NASA-CASE-XLA-05332 US-PATENT-APPL-SN-757861 US-PATENT-CLASS-2-2.1 US-PATENT-3,534,407

N71-11195* #	c 05	NASA-CASE-LAR-10007-1 US-PATENT-APPL-SN-770203 US-PATENT-CLASS-2-2.1 US-PATENT-3,534,406	N71-12258* #	c 03	NASA-CASE-XLA-00711 US-PATENT-APPL-SN-357334 US-PATENT-CLASS-89-1.7 US-PATENT-3,249,012	N71-12506* #	c 08	NASA-CASE-XNP-08832 US-PATENT-APPL-SN-681692 US-PATENT-CLASS-340-172.5 US-PATENT-3,535,696
N71-11199* #	c 05	NASA-CASE-XKS-02342 US-PATENT-APPL-SN-407603 US-PATENT-CLASS-182-191 US-PATENT-3,262,518	N71-12259* #	c 03	NASA-CASE-XLA-01396 US-PATENT-APPL-SN-357336 US-PATENT-CLASS-89-1.7 US-PATENT-3,249,013	N71-12507* #	c 08	NASA-CASE-XLA-01952 US-PATENT-APPL-SN-676386 US-PATENT-CLASS-340-324 US-PATENT-3,537,096
N71-11202* #	c 05	NASA-CASE-XFR-08403 US-PATENT-APPL-SN-704420 US-PATENT-CLASS-73-23 US-PATENT-3,507,146	N71-12260* #	c 03	NASA-CASE-XNP-01020 US-PATENT-APPL-SN-430780 US-PATENT-CLASS-60-97 US-PATENT-3,238,730	N71-12513* #	c 09	NASA-CASE-XGS-07801 US-PATENT-APPL-SN-640452 US-PATENT-CLASS-148-188 US-PATENT-3,490,965
N71-11203* #	c 05	NASA-CASE-XMS-09632-1 US-PATENT-APPL-SN-791693 US-PATENT-CLASS-128-142.5 US-PATENT-3,500,827	N71-12335* #	c 05	NASA-CASE-XMS-00784 US-PATENT-APPL-SN-358127 US-PATENT-CLASS-2-2.1 US-PATENT-3,286,274	N71-12514* #	c 09	NASA-CASE-XLA-07497 US-PATENT-APPL-SN-631848 US-PATENT-CLASS-307-252 US-PATENT-3,491,255
N71-11207* #	c 05	NASA-CASE-XLA-03213 US-PATENT-APPL-SN-621715 US-PATENT-CLASS-202-182 US-PATENT-3,444,051	N71-12336* #	c 05	NASA-CASE-XMS-05304 US-PATENT-APPL-SN-511567 US-PATENT-CLASS-244-4 US-PATENT-3,270,986	N71-12515* #	c 09	NASA-CASE-XNP-08836 US-PATENT-APPL-SN-668968 US-PATENT-CLASS-340-174 US-PATENT-3,535,702
N71-11235* #	c 06	NASA-CASE-XLA-03104 US-PATENT-APPL-SN-510155 US-PATENT-CLASS-260-78 US-PATENT-3,518,232	N71-12341* #	c 05	NASA-CASE-MFS-14671 US-PATENT-APPL-SN-723476 US-PATENT-CLASS-297-385 US-PATENT-3,516,711	N71-12516* #	c 09	NASA-CASE-XNP-09768 US-PATENT-APPL-SN-698629 US-PATENT-CLASS-307-243 US-PATENT-3,535,554
N71-11236* #	c 06	NASA-CASE-XMF-08651 US-PATENT-APPL-SN-593594 US-PATENT-CLASS-260-72.5 US-PATENT-3,526,611	N71-12342* #	c 05	NASA-CASE-XAC-05706 US-PATENT-APPL-SN-592694 US-PATENT-CLASS-325-143 US-PATENT-3,453,546	N71-12517* #	c 09	NASA-CASE-XAC-10608-1 US-PATENT-APPL-SN-710561 US-PATENT-CLASS-333-80 US-PATENT-3,493,901
N71-11237* #	c 06	NASA-CASE-XMF-10753 US-PATENT-APPL-SN-668751 US-PATENT-CLASS-260-46.5 US-PATENT-3,444,127	N71-12343* #	c 05	NASA-CASE-MS-11253 US-PATENT-APPL-SN-695973 US-PATENT-CLASS-297-68 US-PATENT-3,466,085	N71-12518* #	c 09	NASA-CASE-XNP-09808 US-PATENT-APPL-SN-692471 US-PATENT-CLASS-200-61.42 US-PATENT-3,488,461
N71-11233* #	c 06	NASA-CASE-XLA-08802 US-PATENT-APPL-SN-640454 US-PATENT-CLASS-260-78 US-PATENT-3,532,673	N71-12344* #	c 05	NASA-CASE-XMS-09636 US-PATENT-APPL-SN-586330 US-PATENT-CLASS-2-2.1 US-PATENT-3,492,672	N71-12519* #	c 09	NASA-CASE-XMF-06519 US-PATENT-APPL-SN-656952 US-PATENT-CLASS-328-110 US-PATENT-3,535,644
N71-11239* #	c 06	NASA-CASE-XMF-08655 US-PATENT-APPL-SN-593593 US-PATENT-CLASS-260-72.5 US-PATENT-3,516,970	N71-12345* #	c 05	NASA-CASE-MS-12086-1 US-PATENT-APPL-SN-812999 US-PATENT-CLASS-299-1 US-PATENT-3,490,130	N71-12520* #	c 09	NASA-CASE-NPO-10230 US-PATENT-APPL-SN-691735 US-PATENT-CLASS-307-229 US-PATENT-3,535,547
N71-11240* #	c 06	NASA-CASE-MFS-13994-1 US-PATENT-APPL-SN-715975 US-PATENT-CLASS-260-46.5 US-PATENT-3,516,964	N71-12346* #	c 05	NASA-CASE-XMS-04212-1 US-PATENT-APPL-SN-607461 US-PATENT-CLASS-128-2.1 US-PATENT-3,490,440	N71-12521* #	c 09	NASA-CASE-ARC-10030 US-PATENT-APPL-SN-679885 US-PATENT-CLASS-313-110 US-PATENT-3,493,805
N71-11242* #	c 06	NASA-CASE-XMF-08656 US-PATENT-APPL-SN-593605 US-PATENT-CLASS-260-2.5 US-PATENT-3,493,524	N71-12351* #	c 05	NASA-CASE-LAR-10056 US-PATENT-APPL-SN-674357 US-PATENT-CLASS-224-25 US-PATENT-3,493,153	N71-12526* #	c 09	NASA-CASE-MS-12135-1 US-PATENT-APPL-SN-761404 US-PATENT-CLASS-317-31 US-PATENT-3,448,341
N71-11243* #	c 06	NASA-CASE-XMF-08652 US-PATENT-APPL-SN-593606 US-PATENT-CLASS-260-2 US-PATENT-3,493,522	N71-12389* #	c 07	NASA-CASE-XLA-01090 US-PATENT-APPL-SN-741824 US-PATENT-CLASS-250-199 US-PATENT-RE-26,548	N71-12539* #	c 09	NASA-CASE-ERC-10552 US-PATENT-APPL-SN-720125 US-PATENT-CLASS-178-7.7 US-PATENT-3,535,446
N71-11266* #	c 07	NASA-CASE-XLA-03076 US-PATENT-APPL-SN-591004 US-PATENT-CLASS-325-42 US-PATENT-3,508,152	N71-12390* #	c 07	NASA-CASE-XER-09213 US-PATENT-APPL-SN-668302 US-PATENT-CLASS-332-9 US-PATENT-3,535,657	N71-12540* #	c 09	NASA-CASE-XNP-01058 US-PATENT-APPL-SN-313136 US-PATENT-CLASS-315-160 US-PATENT-3,271,620
N71-11267* #	c 07	NASA-CASE-XNP-10843 US-PATENT-APPL-SN-649358 US-PATENT-CLASS-325-363 US-PATENT-3,508,156	N71-12391* #	c 07	NASA-CASE-XMS-05454-1 US-PATENT-APPL-SN-771803 US-PATENT-CLASS-343-17.7 US-PATENT-3,471,858	N71-12554* #	c 10	NASA-CASE-NPO-10348 US-PATENT-APPL-SN-704668 US-PATENT-CLASS-324-95 US-PATENT-3,532,979
N71-11281* #	c 07	NASA-CASE-XNP-10830 US-PATENT-APPL-SN-692332 US-PATENT-CLASS-178-69.5 US-PATENT-3,535,451	N71-12392* #	c 07	NASA-CASE-XGS-01590 US-PATENT-APPL-SN-584067 US-PATENT-CLASS-178-88 US-PATENT-3,491,202	N71-13410* #	c 01	NASA-CASE-XLA-00755 US-PATENT-APPL-SN-247423 US-PATENT-CLASS-244-35 US-PATENT-3,270,988
N71-11282* #	c 07	NASA-CASE-XGS-02889 US-PATENT-APPL-SN-685748 US-PATENT-CLASS-329-104 US-PATENT-3,501,704	N71-12396* #	c 07	NASA-CASE-GSC-10452 US-PATENT-APPL-SN-797794 US-PATENT-CLASS-343-776 US-PATENT-3,495,262	N71-13411* #	c 01	NASA-CASE-XLA-05828 US-PATENT-APPL-SN-509460 US-PATENT-CLASS-235-61.6 US-PATENT-3,500,020
N71-11284* #	c 07	NASA-CASE-XLA-01552 US-PATENT-APPL-SN-332339 US-PATENT-CLASS-325-65 US-PATENT-3,277,375	N71-12494* #	c 08	NASA-CASE-XGS-04767 US-PATENT-APPL-SN-645584 US-PATENT-CLASS-307-296 US-PATENT-3,535,560	N71-13421* #	c 02	NASA-CASE-XFR-00756 US-PATENT-APPL-SN-212173 US-PATENT-CLASS-235-150.22 US-PATENT-3,258,582
N71-11285* #	c 07	NASA-CASE-NPO-10539 US-PATENT-APPL-SN-743429 US-PATENT-CLASS-343-779 US-PATENT-3,534,375	N71-12500* #	c 08	NASA-CASE-XNP-07040 US-PATENT-APPL-SN-649357 US-PATENT-CLASS-332-31 US-PATENT-3,535,658	N71-13422* #	c 02	NASA-CASE-XLA-06339 US-PATENT-APPL-SN-801336 US-PATENT-CLASS-244-76 US-PATENT-3,534,930
N71-11298* #	c 07	NASA-CASE-XMF-01160 US-PATENT-APPL-SN-310507 US-PATENT-CLASS-340-198 US-PATENT-3,243,791	N71-12501* #	c 08	NASA-CASE-XLA-00670 US-PATENT-APPL-SN-235162 US-PATENT-CLASS-340-347 US-PATENT-3,251,053	N71-13461* #	c 06	NASA-CASE-LAR-10180-1 US-PATENT-APPL-SN-709398 US-PATENT-CLASS-250-41.9 US-PATENT-3,521,054
N71-11300* #	c 07	NASA-CASE-XMS-07168 US-PATENT-APPL-SN-769788 US-PATENT-CLASS-178-6.6 US-PATENT-3,493,677	N71-12502* #	c 08	NASA-CASE-NPO-10112 US-PATENT-APPL-SN-673226 US-PATENT-CLASS-340-172.5 US-PATENT-3,533,074	N71-13486* #	c 09	NASA-CASE-MFS-20333 US-PATENT-APPL-SN-820965 US-PATENT-CLASS-307-149 US-PATENT-3,535,543
N71-11766* #	c 21	NASA-CASE-LAR-10403 US-PATENT-APPL-SN-676391 US-PATENT-CLASS-343-6.5 US-PATENT-3,447,154	N71-12503* #	c 08	NASA-CASE-NPO-10351 US-PATENT-APPL-SN-712065 US-PATENT-CLASS-328-37 US-PATENT-3,535,642	N71-13518* #	c 09	NASA-CASE-MS-12178-1 US-PATENT-APPL-SN-845365 US-PATENT-CLASS-315-241 US-PATENT-3,530,336
N71-12217* #	c 01	NASA-CASE-FRC-10063 US-PATENT-APPL-SN-21263 US-PATENT-CLASS-XLA-04451 US-PATENT-APPL-SN-457876	N71-12504* #	c 08	NASA-CASE-XMF-05835 US-PATENT-APPL-SN-627257 US-PATENT-CLASS-340-174 US-PATENT-3,493,942	N71-13521* #	c 09	NASA-CASE-XKS-09348 US-PATENT-APPL-SN-677505 US-PATENT-CLASS-343-703 US-PATENT-3,526,897
N71-12243* #	c 02	NASA-CASE-XLA-04451 US-PATENT-APPL-SN-457876 US-PATENT-CLASS-244-45 US-PATENT-3,310,262	N71-12505* #	c 08	NASA-CASE-XNP-05415 US-PATENT-APPL-SN-578932	N71-13522* #	c 09	NASA-CASE-LEW-10364-1 US-PATENT-APPL-SN-822518
N71-12255* #	c 03	NASA-CASE-NPO-10404 US-PATENT-APPL-SN-728234						

ACCESSION NUMBER INDEX

N71-15871

		US-PATENT-CLASS-317-258				US-PATENT-CLASS-350-3.5				US-PATENT-CLASS-60-35.6
		US-PATENT-3,535,602				US-PATENT-3,535,013				US-PATENT-3,270,503
N71-13530* #	c 09	NASA-CASE-XNP-00384	N71-15562* #	c 25	NASA-CASE-XLA-03374	N71-15625* #	c 33	NASA-CASE-XLE-01399		
		US-PATENT-APPL-SN-180392			US-PATENT-APPL-SN-793770			US-PATENT-APPL-SN-320233		
		US-PATENT-CLASS-324-132			US-PATENT-CLASS-315-111			US-PATENT-CLASS-13-26		
		US-PATENT-3,263,171			US-PATENT-3,535,586			US-PATENT-3,263,016		
N71-13531* #	c 09	NASA-CASE-MSC-12033-1	N71-15563* #	c 28	NASA-CASE-XLA-02865	N71-15634* #	c 27	NASA-CASE-XLE-01988		
		US-PATENT-APPL-SN-602828			US-PATENT-APPL-SN-416946			US-PATENT-APPL-SN-308918		
		US-PATENT-CLASS-330-11			US-PATENT-CLASS-244-53			US-PATENT-CLASS-60-35.6		
		US-PATENT-3,526,845			US-PATENT-3,270,990			US-PATENT-3,258,912		
N71-13537* #	c 10	NASA-CASE-XNP-08274	N71-15565* #	c 16	NASA-CASE-MFS-20074	N71-15635* #	c 27	NASA-CASE-XLE-01182		
		US-PATENT-APPL-SN-730703			US-PATENT-APPL-SN-801312			US-PATENT-APPL-SN-411949		
		US-PATENT-CLASS-73-382			US-PATENT-CLASS-350-3.5			US-PATENT-CLASS-60-39.46		
		US-PATENT-3,520,190			US-PATENT-3,535,014			US-PATENT-3,258,918		
N71-13545* #	c 10	NASA-CASE-LAR-10774	N71-15566* #	c 31	NASA-CASE-XKS-08012-2	N71-15637* #	c 31	NASA-CASE-XLE-01640		
		US-PATENT-APPL-SN-802820			US-PATENT-APPL-SN-874958			US-PATENT-APPL-SN-473535		
		US-PATENT-CLASS-73-1			US-PATENT-CLASS-340-172.5			US-PATENT-CLASS-60-35.6		
		US-PATENT-3,534,584			US-PATENT-3,535,683			US-PATENT-3,270,504		
N71-13789* #	c 15	NASA-CASE-XLA-01141	N71-15567* #	c 16	NASA-CASE-ERC-10017	N71-15641* #	c 33	NASA-CASE-XNP-09802		
		US-PATENT-APPL-SN-353632			US-PATENT-APPL-SN-677506			US-PATENT-APPL-SN-673229		
		US-PATENT-CLASS-102-49			US-PATENT-CLASS-350-3.5			US-PATENT-CLASS-73-190		
		US-PATENT-3,263,610			US-PATENT-3,535,012			US-PATENT-3,531,989		
N71-13958* #	c 21	NASA-CASE-GSC-10087-2	N71-15568* #	c 33	NASA-CASE-XLE-09475-1	N71-15642* #	c 21	NASA-CASE-XGS-03431		
		US-PATENT-APPL-SN-701744			US-PATENT-APPL-SN-710945			US-PATENT-APPL-SN-588635		
		US-PATENT-CLASS-343-112			US-PATENT-CLASS-136-228			US-PATENT-CLASS-250-203		
		US-PATENT-3,495,260			US-PATENT-3,535,165			US-PATENT-3,488,504		
N71-14014* #	c 18	NASA-CASE-GSC-10072	N71-15571* #	c 15	NASA-CASE-XLA-07911	N71-15643* #	c 31	NASA-CASE-NPO-10311		
		US-PATENT-APPL-SN-686296			US-PATENT-APPL-SN-660572			US-PATENT-APPL-SN-725475		
		US-PATENT-CLASS-106-15			US-PATENT-CLASS-33-207			US-PATENT-CLASS-73-116		
		US-PATENT-3,493,401			US-PATENT-3,492,739			US-PATENT-3,534,597		
N71-14032* #	c 33	NASA-CASE-XLE-05913	N71-15582* #	c 21	NASA-CASE-XLA-01163	N71-15644* #	c 17	NASA-CASE-XLE-00726		
		US-PATENT-APPL-SN-551933			US-PATENT-APPL-SN-405632			US-PATENT-APPL-SN-355126		
		US-PATENT-CLASS-117-106			US-PATENT-CLASS-60-35.55			US-PATENT-CLASS-75-170		
		US-PATENT-3,490,939			US-PATENT-3,270,505			US-PATENT-3,271,140		
N71-14035* #	c 33	NASA-CASE-XLE-03307	N71-15583* #	c 21	NASA-CASE-XMF-01598	N71-15647* #	c 31	NASA-CASE-XGS-01143		
		US-PATENT-APPL-SN-613979			US-PATENT-APPL-SN-333770			US-PATENT-APPL-SN-349781		
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-244-1			US-PATENT-CLASS-60-35.6		
		US-PATENT-3,490,718			US-PATENT-3,270,985			US-PATENT-3,270,501		
N71-14043* #	c 28	NASA-CASE-XLE-01124	N71-15597* #	c 15	NASA-CASE-XLE-08917	N71-15658* #	c 28	NASA-CASE-XLE-00409		
		US-PATENT-APPL-SN-312269			US-PATENT-APPL-SN-662829			US-PATENT-APPL-SN-249539		
		US-PATENT-CLASS-60-35.5			US-PATENT-CLASS-113-116			US-PATENT-CLASS-29-157		
		US-PATENT-3,238,715			US-PATENT-3,490,405			US-PATENT-3,254,395		
N71-14044* #	c 28	NASA-CASE-XGS-08729	N71-15598* #	c 14	NASA-CASE-XAC-00812	N71-15659* #	c 28	NASA-CASE-XLE-05689		
		US-PATENT-APPL-SN-667637			US-PATENT-APPL-SN-255132			US-PATENT-APPL-SN-491845		
		US-PATENT-CLASS-60-200			US-PATENT-CLASS-73-341			US-PATENT-CLASS-60-35.60		
		US-PATENT-3,490,235			US-PATENT-3,238,777			US-PATENT-3,254,487		
N71-14058* #	c 28	NASA-CASE-MSC-12139-1	N71-15599* #	c 14	NASA-CASE-XNP-04161	N71-15660* #	c 28	NASA-CASE-XMF-00968		
		US-PATENT-APPL-SN-797796			US-PATENT-APPL-SN-568356			US-PATENT-APPL-SN-339825		
		US-PATENT-CLASS-103-37			US-PATENT-CLASS-250-83.3			US-PATENT-CLASS-60-35.6		
		US-PATENT-3,492,947			US-PATENT-3,444,375			US-PATENT-3,270,499		
N71-14090* #	c 27	NASA-CASE-LAR-10173-1	N71-15600* #	c 14	NASA-CASE-XKS-06250	N71-15661* #	c 28	NASA-CASE-XLE-02066		
		US-PATENT-APPL-SN-758942			US-PATENT-APPL-SN-649075			US-PATENT-APPL-SN-426455		
		US-PATENT-CLASS-149-19			US-PATENT-CLASS-73-97			US-PATENT-CLASS-60-35.5		
		US-PATENT-3,492,176			US-PATENT-3,492,862			US-PATENT-3,262,262		
N71-14132* #	c 21	NASA-CASE-XLA-05464	N71-15604* #	c 14	NASA-CASE-NPO-10337	N71-15663* #	c 31	NASA-CASE-XLA-00256		
		US-PATENT-APPL-SN-656995			US-PATENT-APPL-SN-714296			US-PATENT-APPL-SN-333766		
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-350-58			US-PATENT-CLASS-244-1		
		US-PATENT-3,493,194			US-PATENT-3,488,103			US-PATENT-3,262,655		
N71-14159* #	c 21	NASA-CASE-XGS-04393	N71-15605* #	c 14	NASA-CASE-GSC-10062	N71-15664* #	c 31	NASA-CASE-XLA-01332		
		US-PATENT-APPL-SN-700142			US-PATENT-APPL-SN-658955			US-PATENT-APPL-SN-250974		
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-350-285			US-PATENT-CLASS-220-15		
		US-PATENT-3,490,719			US-PATENT-3,493,294			US-PATENT-3,270,908		
N71-14354* #	c 26	NASA-CASE-ERC-10138	N71-15606* #	c 15	NASA-CASE-XNP-06031	N71-15673* #	c 23	NASA-CASE-XMS-01620		
		US-PATENT-APPL-SN-821586			US-PATENT-APPL-SN-590144			US-PATENT-APPL-SN-357340		
		US-PATENT-CLASS-225-2			US-PATENT-CLASS-250-52			US-PATENT-CLASS-248-358		
		US-PATENT-3,493,155			US-PATENT-3,493,746			US-PATENT-3,243,154		
N71-14932* #	c 15	NASA-CASE-LEW-11531	N71-15607* #	c 15	NASA-CASE-XMF-03287	N71-15674* #	c 31	NASA-CASE-XLA-03691		
		US-PATENT-APPL-SN-643332			US-PATENT-APPL-SN-658956			US-PATENT-APPL-SN-667625		
		US-PATENT-CLASS-219-72			US-PATENT-CLASS-228-7			US-PATENT-CLASS-244-1		
		US-PATENT-3,493,711			US-PATENT-3,443,732			US-PATENT-3,534,924		
N71-14996* #	c 14	NASA-CASE-XLA-00936	N71-15608* #	c 15	NASA-CASE-NPO-10117	N71-15675* #	c 31	NASA-CASE-XMF-03169		
		US-PATENT-APPL-SN-282818			US-PATENT-APPL-SN-668238			US-PATENT-APPL-SN-375405		
		US-PATENT-CLASS-73-170			US-PATENT-CLASS-138-42			US-PATENT-CLASS-89-1.5		
		US-PATENT-3,238,774			US-PATENT-3,493,012			US-PATENT-3,262,365		
N71-15467* #	c 23	NASA-CASE-XNP-03796	N71-15609* #	c 15	NASA-CASE-XMF-04709	N71-15676* #	c 31	NASA-CASE-XGS-05579		
		US-PATENT-APPL-SN-453231			US-PATENT-APPL-SN-683507			US-PATENT-APPL-SN-719869		
		US-PATENT-CLASS-62-6			US-PATENT-CLASS-137-81.5			US-PATENT-CLASS-244-1		
		US-PATENT-3,260,055			US-PATENT-3,493,003			US-PATENT-3,534,925		
N71-15468* #	c 17	NASA-CASE-LEW-10393-1	N71-15610* #	c 15	NASA-CASE-XLE-01604-2	N71-15687* #	c 31	NASA-CASE-XLA-05369		
		US-PATENT-APPL-SN-644799			US-PATENT-APPL-SN-683613			US-PATENT-APPL-SN-765123		
		US-PATENT-CLASS-75-202			US-PATENT-CLASS-117-50			US-PATENT-CLASS-102-49.5		
		US-PATENT-3,535,110			US-PATENT-3,493,415			US-PATENT-3,534,686		
N71-15469* #	c 18	NASA-CASE-ARC-10099-1	N71-15620* #	c 14	NASA-CASE-XLA-01926	N71-15688* #	c 18	NASA-CASE-XNP-03459-2		
		US-PATENT-APPL-SN-704224			US-PATENT-APPL-SN-784521			US-PATENT-APPL-SN-681942		
		US-PATENT-CLASS-106-15			US-PATENT-CLASS-340-57			US-PATENT-CLASS-260-404.5		
		US-PATENT-3,535,130			US-PATENT-3,491,335			US-PATENT-3,535,352		
N71-15545* #	c 18	NASA-CASE-XMS-09691-1	N71-15621* #	c 14	NASA-CASE-XNP-09572	N71-15689* #	c 31	NASA-CASE-MFS-14685		
		US-PATENT-APPL-SN-738119			US-PATENT-APPL-SN-660841			US-PATENT-APPL-SN-752947		
		US-PATENT-CLASS-8-94.12			US-PATENT-CLASS-35-10.2			US-PATENT-CLASS-180-118		
		US-PATENT-3,526,473			US-PATENT-3,493,665			US-PATENT-CLASS-180-121		
N71-15550* #	c 16	NASA-CASE-XNP-05219	N71-15622* #	c 14	NASA-CASE-XNP-04111	N71-15692* #	c 31	NASA-CASE-XLA-01339		
		US-PATENT-APPL-SN-336103			US-PATENT-APPL-SN-560969			US-PATENT-APPL-SN-373591		
		US-PATENT-CLASS-330-4			US-PATENT-CLASS-350-213			US-PATENT-CLASS-102-49		
		US-PATENT-3,299,364			US-PATENT-3,493,291			US-PATENT-3,260,204		
N71-15551* #	c 16	NASA-CASE-ERC-10019	N71-15623* #	c 33	NASA-CASE-XMS-01816	N71-15871* #	c 15	NASA-CASE-XMF-02039		
		US-PATENT-APPL-SN-677508			US-PATENT-APPL-SN-425364					

		US-PATENT-APPL-SN-434143			US-PATENT-APPL-SN-304749			US-PATENT-APPL-SN-701732
		US-PATENT-CLASS-219-131			US-PATENT-CLASS-35-29			US-PATENT-CLASS-250-41.9
		US-PATENT-3,271,558			US-PATENT-3,270,441			US-PATENT-3,532,880
N71-15906*	c 15	NASA-CASE-XNP-00920	N71-16030*	c 10	NASA-CASE-XMF-01096	N71-16098*	c 23	NASA-CASE-XAC-03107
		US-PATENT-APPL-SN-329331			US-PATENT-APPL-SN-307270			US-PATENT-APPL-SN-538168
		US-PATENT-CLASS-62-2			US-PATENT-CLASS-318-376			US-PATENT-CLASS-73-505
		US-PATENT-3,270,512			US-PATENT-3,271,649			US-PATENT-3,455,171
N71-15907*	c 07	NASA-CASE-XNP-01057	N71-16031*	c 12	NASA-CASE-XMS-01445	N71-16099*	c 23	NASA-CASE-XGS-07514
		US-PATENT-APPL-SN-301683			US-PATENT-APPL-SN-385526			US-PATENT-APPL-SN-640453
		US-PATENT-CLASS-343-786			US-PATENT-CLASS-137-615			US-PATENT-CLASS-328-1
		US-PATENT-3,305,870			US-PATENT-3,308,848			US-PATENT-3,509,469
N71-15908*	c 08	NASA-CASE-XLA-02705	N71-16037*	c 26	NASA-CASE-XGS-05718	N71-16100*	c 23	NASA-CASE-XGS-05715
		US-PATENT-APPL-SN-473537			US-PATENT-APPL-SN-584071			US-PATENT-APPL-SN-668257
		US-PATENT-CLASS-129-16.7			US-PATENT-CLASS-29-472.9			US-PATENT-CLASS-250-233
		US-PATENT-3,310,054			US-PATENT-3,452,423			US-PATENT-3,532,894
N71-15909*	c 10	NASA-CASE-XAC-03777	N71-16042*	c 10	NASA-CASE-XAC-00942	N71-16101*	c 23	NASA-CASE-XNP-08883
		US-PATENT-APPL-SN-484489			US-PATENT-APPL-SN-310506			US-PATENT-APPL-SN-617021
		US-PATENT-CLASS-200-6			US-PATENT-CLASS-307-88.5			US-PATENT-CLASS-356-117
		US-PATENT-3,283,088			US-PATENT-3,277,314			US-PATENT-3,520,617
N71-15910*	c 10	NASA-CASE-XGS-00823	N71-16044*	c 17	NASA-CASE-XGS-06306	N71-16102*	c 31	NASA-CASE-XGS-09190
		US-PATENT-APPL-SN-336607			US-PATENT-APPL-SN-685473			US-PATENT-APPL-SN-647298
		US-PATENT-CLASS-307-88.5			US-PATENT-CLASS-156-3			US-PATENT-CLASS-343-915
		US-PATENT-3,283,175			US-PATENT-3,532,568			US-PATENT-3,521,290
N71-15918*	c 15	NASA-CASE-XMS-02383	N71-16046*	c 18	NASA-CASE-GSC-10007	N71-16103*	c 32	NASA-CASE-LAR-10317.1
		US-PATENT-APPL-SN-299042			US-PATENT-APPL-SN-627599			US-PATENT-APPL-SN-739927
		US-PATENT-CLASS-140-123			US-PATENT-CLASS-117-201			US-PATENT-CLASS-137-582
		US-PATENT-3,299,913			US-PATENT-3,532,538			US-PATENT-3,508,578
N71-15922*	c 15	NASA-CASE-XGS-01971	N71-16052*	c 15	NASA-CASE-XLE-02999	N71-16104*	c 33	NASA-CASE-XLE-00785
		US-PATENT-APPL-SN-353645			US-PATENT-APPL-SN-431235			US-PATENT-APPL-SN-666554
		US-PATENT-CLASS-85-33			US-PATENT-CLASS-29-148.4			US-PATENT-CLASS-60-108
		US-PATENT-3,262,351			US-PATENT-3,262,186			US-PATENT-3,508,402
N71-15925*	c 11	NASA-CASE-XLA-00378	N71-16057*	c 10	NASA-CASE-XNP-01193	N71-16105*	c 18	NASA-CASE-XLE-08511.2
		US-PATENT-APPL-SN-266107			US-PATENT-APPL-SN-366226			US-PATENT-APPL-SN-711921
		US-PATENT-CLASS-219-10.49			US-PATENT-CLASS-324-57			US-PATENT-CLASS-117-119
		US-PATENT-3,238,345			US-PATENT-3,277,366			US-PATENT-3,508,955
N71-15926*	c 11	NASA-CASE-XLA-00939	N71-16058*	c 10	NASA-CASE-XMF-01097	N71-16106*	c 32	NASA-CASE-XLA-04605
		US-PATENT-APPL-SN-309354			US-PATENT-APPL-SN-290873			US-PATENT-APPL-SN-619519
		US-PATENT-CLASS-73-147			US-PATENT-CLASS-340-227			US-PATENT-CLASS-137-582
		US-PATENT-3,276,251			US-PATENT-3,277,458			US-PATENT-3,443,584
N71-15960*	c 11	NASA-CASE-XAC-00731	N71-16073*	c 25	NASA-CASE-XAC-05695	N71-16124*	c 18	NASA-CASE-XMF-05279
		US-PATENT-APPL-SN-232318			US-PATENT-APPL-SN-634038			US-PATENT-APPL-SN-617774
		US-PATENT-CLASS-220-89			US-PATENT-CLASS-324-34			US-PATENT-CLASS-106-88
		US-PATENT-3,145,874			US-PATENT-3,517,302			US-PATENT-3,508,940
N71-15962*	c 14	NASA-CASE-XGS-01587	N71-16075*	c 15	NASA-CASE-XLA-00284	N71-16210*	c 18	NASA-CASE-XNP-08837
		US-PATENT-APPL-SN-298799			US-PATENT-APPL-SN-240760			US-PATENT-APPL-SN-691736
		US-PATENT-CLASS-324-43			US-PATENT-CLASS-117-69			US-PATENT-CLASS-204-20
		US-PATENT-3,258,687			US-PATENT-3,264,135			US-PATENT-3,526,580
N71-15966*	c 15	NASA-CASE-XLE-00953	N71-16076*	c 15	NASA-CASE-XLE-00106	N71-16212*	c 23	NASA-CASE-NPO-10250
		US-PATENT-APPL-SN-336320			US-PATENT-APPL-SN-629759			US-PATENT-APPL-SN-736848
		US-PATENT-CLASS-22-200			US-PATENT-CLASS-25-156			US-PATENT-CLASS-149-1
		US-PATENT-3,237,253			US-PATENT-2,944,316			US-PATENT-3,516,879
N71-15967*	c 15	NASA-CASE-XLE-00703	N71-16077*	c 15	NASA-CASE-XLA-00302	N71-16213*	c 24	NASA-CASE-XGS-06628
		US-PATENT-APPL-SN-271822			US-PATENT-APPL-SN-284266			US-PATENT-APPL-SN-665680
		US-PATENT-CLASS-137-13			US-PATENT-CLASS-117-46			US-PATENT-CLASS-315-111
		US-PATENT-3,270,756			US-PATENT-3,271,181			US-PATENT-3,509,419
N71-15968*	c 15	NASA-CASE-XLE-00586	N71-16078*	c 15	NASA-CASE-XGS-00824	N71-16221*	c 31	NASA-CASE-XLA-05906
		US-PATENT-APPL-SN-317391			US-PATENT-APPL-SN-379072			US-PATENT-APPL-SN-777766
		US-PATENT-CLASS-55-160			US-PATENT-CLASS-89-1			US-PATENT-CLASS-73-432
		US-PATENT-3,257,780			US-PATENT-3,309,961			US-PATENT-3,526,139
N71-15969*	c 14	NASA-CASE-XMF-01099	N71-16079*	c 15	NASA-CASE-XLA-00415	N71-16222*	c 31	NASA-CASE-MFS-11133
		US-PATENT-APPL-SN-73367			US-PATENT-APPL-SN-314074			US-PATENT-APPL-SN-693419
		US-PATENT-CLASS-73-517			US-PATENT-CLASS-233-11			US-PATENT-CLASS-244-1
		US-PATENT-3,261,210			US-PATENT-3,276,679			US-PATENT-3,508,723
N71-15974*	c 32	NASA-CASE-XMS-06782	N71-16080*	c 31	NASA-CASE-MSC-12049	N71-16223*	c 27	NASA-CASE-MFS-12750
		US-PATENT-APPL-SN-691739			US-PATENT-APPL-SN-693420			US-PATENT-APPL-SN-806149
		US-PATENT-CLASS-338-5			US-PATENT-CLASS-52-3			US-PATENT-CLASS-73-432
		US-PATENT-3,464,049			US-PATENT-3,465,482			US-PATENT-3,526,140
N71-15978*	c 23	NASA-CASE-XGS-00373	N71-16081*	c 31	NASA-CASE-XGS-03351	N71-16224*	c 28	NASA-CASE-MFS-11497
		US-PATENT-APPL-SN-105519			US-PATENT-APPL-SN-472747			US-PATENT-APPL-SN-730732
		US-PATENT-CLASS-161-189			US-PATENT-CLASS-244-31			US-PATENT-CLASS-239-265.43
		US-PATENT-3,276,946			US-PATENT-3,276,726			US-PATENT-3,526,365
N71-15986*	c 15	NASA-CASE-XMF-03498	N71-16085*	c 31	NASA-CASE-XLA-09881	N71-16277*	c 33	NASA-CASE-XMS-04268
		US-PATENT-APPL-SN-396443			US-PATENT-APPL-SN-710562			US-PATENT-APPL-SN-516160
		US-PATENT-CLASS-29-155.55			US-PATENT-CLASS-244-138			US-PATENT-CLASS-165-133
		US-PATENT-3,258,831			US-PATENT-3,520,503			US-PATENT-3,502,141
N71-15990*	c 30	NASA-CASE-XAC-08494	N71-16086*	c 09	NASA-CASE-XLE-02038	N71-16278*	c 33	NASA-CASE-XMF-04237
		US-PATENT-APPL-SN-690998			US-PATENT-APPL-SN-349782			US-PATENT-CLASS-219-364
		US-PATENT-CLASS-356-74			US-PATENT-CLASS-73-147			US-PATENT-3,517,162
		US-PATENT-3,532,428			US-PATENT-3,273,388			NASA-CASE-XLA-02081
N71-15992*	c 14	NASA-CASE-XGS-01052	N71-16087*	c 02	NASA-CASE-XAC-02058			US-PATENT-APPL-SN-522795
		US-PATENT-APPL-SN-314572			US-PATENT-APPL-SN-342572			US-PATENT-CLASS-73-189
		US-PATENT-CLASS-73-15			US-PATENT-CLASS-244-1			US-PATENT-3,507,150
		US-PATENT-3,242,716			US-PATENT-3,276,722			NASA-CASE-XMF-14032
N71-16014*	c 14	NASA-CASE-XLE-00820	N71-16088*	c 07	NASA-CASE-XGS-01022	N71-16340*	c 20	US-PATENT-APPL-SN-679862
		US-PATENT-APPL-SN-228569			US-PATENT-APPL-SN-331323			US-PATENT-CLASS-250-209
		US-PATENT-CLASS-324-32			US-PATENT-CLASS-325-4			US-PATENT-3,501,641
		US-PATENT-3,283,241			US-PATENT-3,277,373			NASA-CASE-XGS-05291
N71-16025* #	c 17	NASA-CASE-XLE-02991	N71-16089*	c 09	NASA-CASE-XAC-02405	N71-16341*	c 23	US-PATENT-APPL-SN-553891
		US-PATENT-APPL-SN-375401			US-PATENT-APPL-SN-433821			US-PATENT-CLASS-356-209
		US-PATENT-CLASS-75-170			US-PATENT-CLASS-200-6			US-PATENT-3,504,983
		US-PATENT-3,276,865			US-PATENT-3,271,532			NASA-CASE-XMF-05344
N71-16026*	c 17	NASA-CASE-XLE-02082	N71-16090*	c 30	NASA-CASE-GSC-10083-1	N71-16345*	c 31	US-PATENT-APPL-SN-702396
		US-PATENT-APPL-SN-360180			US-PATENT-APPL-SN-641431			US-PATENT-CLASS-244-1
		US-PATENT-CLASS-75-171			US-PATENT-CLASS-343-6			US-PATENT-3,520,496
		US-PATENT-3,276,866			US-PATENT-3,471,856			NASA-CASE-XMS-03613
N71-16028*	c 11	NASA-CASE-XLA-01787	N71-16095*	c 24	NASA-CASE-XAC-05506-1	N71-16346*	c 31	

ACCESSION NUMBER INDEX

N71-18481

		US-PATENT-APPL-SN-802816			US-PATENT-APPL-SN-270118	N71-17685*	c 15	NASA-CASE-NPO-10034
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-230-162			US-PATENT-APPL-SN-668241
		US-PATENT-3,526,372			US-PATENT-3,309,012			US-PATENT-CLASS-339-17
N71-16348*	c 27	NASA-CASE-MSC-12280	N71-17626*	c 14	NASA-CASE-LAR-10274-1	N71-17686*	c 15	US-PATENT-3,464,051
		US-PATENT-APPL-SN-372648			US-PATENT-APPL-SN-717052			NASA-CASE-MFS-20586
		US-PATENT-CLASS-250-43.5			US-PATENT-CLASS-188-1			US-PATENT-APPL-SN-688868
		US-PATENT-3,501,632			US-PATENT-3,491,857			US-PATENT-CLASS-29-428
N71-16355*	c 23	NASA-CASE-XGS-05534	N71-17627*	c 14	NASA-CASE-XGS-03532	N71-17687*	c 15	US-PATENT-3,526,030
		US-PATENT-APPL-SN-578925			US-PATENT-APPL-SN-538913			NASA-CASE-XLA-04143
		US-PATENT-CLASS-23-253			US-PATENT-CLASS-356-106			US-PATENT-APPL-SN-628246
		US-PATENT-3,520,660			US-PATENT-3,488,123			US-PATENT-CLASS-156-510
N71-16356*	c 33	NASA-CASE-NPO-10158	N71-17628*	c 15	NASA-CASE-MFS-10340	N71-17688*	c 15	US-PATENT-3,508,999
		US-PATENT-APPL-SN-730702			US-PATENT-APPL-SN-716734			NASA-CASE-XLE-09527
		US-PATENT-CLASS-73-343			US-PATENT-CLASS-225-1			US-PATENT-APPL-SN-686344
		US-PATENT-3,526,134			US-PATENT-3,507,425			US-PATENT-CLASS-29-148.4
N71-16357*	c 33	NASA-CASE-NPO-10138	N71-17629*	c 31	NASA-CASE-XLE-03583	N71-17691*	c 31	US-PATENT-3,500,525
		US-PATENT-APPL-SN-759457			US-PATENT-APPL-SN-400617			NASA-CASE-XLA-00937
		US-PATENT-CLASS-236-1			US-PATENT-CLASS-244-3.22			US-PATENT-APPL-SN-393461
		US-PATENT-3,526,359			US-PATENT-3,276,376			US-PATENT-CLASS-244-3.14
N71-16365*	c 23	NASA-CASE-XNP-08840	N71-17631*	c 12	NASA-CASE-NPO-10122	N71-17692*	c 15	US-PATENT-3,310,258
		US-PATENT-APPL-SN-649360			US-PATENT-APPL-SN-710949			NASA-CASE-MFS-14772
		US-PATENT-CLASS-356-36			US-PATENT-CLASS-60-217			US-PATENT-APPL-SN-774151
		US-PATENT-3,526,460			US-PATENT-3,534,555			US-PATENT-CLASS-74-63
N71-16392*	c 27	NASA-CASE-XNP-09744	N71-17645*	c 32	NASA-CASE-XNP-01153	N71-17693*	c 15	US-PATENT-3,529,480
		US-PATENT-APPL-SN-685750			US-PATENT-APPL-SN-336608			NASA-CASE-NPO-10064
		US-PATENT-CLASS-60-39.47			US-PATENT-CLASS-73-88			US-PATENT-APPL-SN-668755
		US-PATENT-3,507,114			US-PATENT-3,273,381			US-PATENT-CLASS-244-1
N71-16393*	c 17	NASA-CASE-NPO-10271	N71-17647*	c 15	NASA-CASE-XMF-01867	N71-17694*	c 15	US-PATENT-3,501,112
		US-PATENT-APPL-SN-763869			US-PATENT-APPL-SN-577115			NASA-CASE-XNP-08897
		US-PATENT-CLASS-21-207			US-PATENT-CLASS-118-11			US-PATENT-APPL-SN-640450
		US-PATENT-3,529,928			US-PATENT-3,502,051			US-PATENT-CLASS-318-22
N71-16428*	c 32	NASA-CASE-XLA-03135	N71-17648*	c 15	NASA-CASE-MSC-12116-1	N71-17696*	c 15	US-PATENT-3,501,683
		US-PATENT-APPL-SN-582171			US-PATENT-APPL-SN-768336			NASA-CASE-XLA-05100
		US-PATENT-CLASS-73-71.4			US-PATENT-CLASS-251-358			US-PATENT-APPL-SN-724551
		US-PATENT-3,503,251			US-PATENT-3,508,739			US-PATENT-CLASS-73-103
N71-16894*	c 12	NASA-CASE-XLA-02079	N71-17649*	c 15	NASA-CASE-MFS-11132	N71-17701*	c 14	US-PATENT-3,487,680
		US-PATENT-APPL-SN-435756			US-PATENT-APPL-SN-744910			NASA-CASE-NPO-10144
		US-PATENT-CLASS-188-87			US-PATENT-CLASS-248-360			US-PATENT-APPL-SN-688805
		US-PATENT-3,310,138			US-PATENT-3,526,382			US-PATENT-CLASS-73-29
N71-17569*	c 12	NASA-CASE-MSC-12084-1	N71-17650*	c 15	NASA-CASE-XMF-05114	N71-17705*	c 06	US-PATENT-3,534,585
		US-PATENT-APPL-SN-762438			US-PATENT-APPL-SN-637882			NASA-CASE-XGS-05532
		US-PATENT-CLASS-73-204			US-PATENT-CLASS-29-517			US-PATENT-APPL-SN-570093
		US-PATENT-3,500,686			US-PATENT-3,507,034			US-PATENT-CLASS-195-99
N71-17573*	c 12	NASA-CASE-LAR-10323-1	N71-17651*	c 15	NASA-CASE-XLE-03803-2	N71-17729*	c 31	US-PATENT-3,423,290
		US-PATENT-APPL-SN-738314			US-PATENT-APPL-SN-669336			NASA-CASE-XAC-01591
		US-PATENT-CLASS-73-45.5			US-PATENT-CLASS-156-172			US-PATENT-APPL-SN-385527
		US-PATENT-3,516,284			US-PATENT-3,535,179			US-PATENT-CLASS-244-1
N71-17574*	c 14	NASA-CASE-XGS-04993	N71-17652*	c 15	NASA-CASE-XLE-05079	N71-17730*	c 31	US-PATENT-3,282,532
		US-PATENT-APPL-SN-577775			US-PATENT-APPL-SN-601228			NASA-CASE-XMF-01543
		US-PATENT-CLASS-96-49			US-PATENT-CLASS-310-93			US-PATENT-APPL-SN-402365
		US-PATENT-3,458,313			US-PATENT-3,493,797			US-PATENT-CLASS-102-49
N71-17575*	c 14	NASA-CASE-XMF-06531	N71-17653*	c 15	NASA-CASE-ARC-10140-1	N71-17788*	c 30	US-PATENT-3,286,629
		US-PATENT-APPL-SN-732917			US-PATENT-APPL-SN-783379			NASA-CASE-XGS-00783
		US-PATENT-CLASS-204-195			US-PATENT-CLASS-24-211			US-PATENT-APPL-SN-372438
		US-PATENT-3,509,034			US-PATENT-CLASS-85-3			US-PATENT-CLASS-73-432
N71-17578*	c 12	NASA-CASE-MFS-10412			US-PATENT-3,534,650	N71-17802*	c 23	US-PATENT-3,286,531
		US-PATENT-APPL-SN-701635	N71-17654*	c 15	NASA-CASE-XNP-09702			NASA-CASE-XLE-00454
		US-PATENT-CLASS-137-81.5			US-PATENT-APPL-SN-730734			US-PATENT-APPL-SN-295855
		US-PATENT-3,520,317			US-PATENT-CLASS-239-416			US-PATENT-CLASS-73-295
N71-17579*	c 12	NASA-CASE-XLA-07391			US-PATENT-3,534,909	N71-17803*	c 15	US-PATENT-3,273,392
		US-PATENT-APPL-SN-726898	N71-17655*	c 14	NASA-CASE-NPO-10320			NASA-CASE-XMS-05516
		US-PATENT-CLASS-137-81.5			US-PATENT-APPL-SN-718689			US-PATENT-APPL-SN-563648
		US-PATENT-3,493,004			US-PATENT-CLASS-356-106			US-PATENT-CLASS-264-92
N71-17584*	c 14	NASA-CASE-XNP-09462			US-PATENT-3,535,041			US-PATENT-3,488,414
		US-PATENT-APPL-SN-658957	N71-17656*	c 14	NASA-CASE-MFS-12827	N71-17805*	c 15	NASA-CASE-MFS-12805
		US-PATENT-CLASS-73-57			US-PATENT-APPL-SN-742816			US-PATENT-APPL-SN-758082
		US-PATENT-3,500,677			US-PATENT-CLASS-73-88.5			US-PATENT-CLASS-192-43.1
N71-17585*	c 14	NASA-CASE-XGS-05680			US-PATENT-3,534,592			US-PATENT-CLASS-81-63.1
		US-PATENT-APPL-SN-656953	N71-17657*	c 14	NASA-CASE-XNP-09205			US-PATENT-3,534,836
		US-PATENT-CLASS-318-138			US-PATENT-APPL-SN-768473	N71-17818*	c 26	NASA-CASE-XMF-01016
		US-PATENT-3,501,664			US-PATENT-CLASS-33-149			US-PATENT-APPL-SN-326299
N71-17586*	c 14	NASA-CASE-XLA-08646			US-PATENT-3,534,479			US-PATENT-CLASS-264-27
		US-PATENT-APPL-SN-677476	N71-17658*	c 14	NASA-CASE-XMF-04966			US-PATENT-3,274,304
		US-PATENT-CLASS-73-105			US-PATENT-APPL-SN-727480	N71-17822*	c 15	NASA-CASE-ARC-10009-1
		US-PATENT-3,534,596			US-PATENT-CLASS-33-174			US-PATENT-APPL-SN-714595
N71-17587*	c 14	NASA-CASE-XMF-05844			US-PATENT-3,534,480			US-PATENT-CLASS-324-58.5
		US-PATENT-APPL-SN-706564	N71-17659*	c 14	NASA-CASE-XMF-02964			US-PATENT-3,532,973
		US-PATENT-CLASS-73-382			US-PATENT-APPL-SN-493942	N71-17897*	c 33	NASA-CASE-XLA-00892
		US-PATENT-3,500,688			US-PATENT-CLASS-73-15.4			US-PATENT-APPL-SN-245941
N71-17588*	c 14	NASA-CASE-MFS-12806			US-PATENT-3,465,569			US-PATENT-CLASS-62-467
		US-PATENT-APPL-SN-686933	N71-17661*	c 12	NASA-CASE-NPO-10298			US-PATENT-3,273,355
		US-PATENT-CLASS-55-179			US-PATENT-APPL-SN-745852	N71-18064*	c 26	NASA-CASE-XNP-01328
		US-PATENT-3,490,205			US-PATENT-CLASS-137-341			US-PATENT-APPL-SN-296879
N71-17599*	c 05	NASA-CASE-MSC-12206-1			US-PATENT-3,534,765			US-PATENT-CLASS-317-234
		US-PATENT-APPL-SN-856258	N71-17662*	c 14	NASA-CASE-NPO-10300			US-PATENT-3,271,637
		US-PATENT-CLASS-128-142.5			US-PATENT-APPL-SN-718769	N71-18132*	c 15	NASA-CASE-MFS-13686
		US-PATENT-3,516,404			US-PATENT-CLASS-350-285			US-PATENT-APPL-SN-716183
N71-17600*	c 11	NASA-CASE-MFS-12915			US-PATENT-3,535,024			US-PATENT-CLASS-73-67.2
		US-PATENT-APPL-SN-694340	N71-17679*	c 31	NASA-CASE-XNP-02507			US-PATENT-3,531,982
		US-PATENT-CLASS-220-89			US-PATENT-APPL-SN-475299	N71-18465*	c 14	NASA-CASE-NPO-10174
		US-PATENT-3,469,734			US-PATENT-CLASS-244-1			US-PATENT-APPL-SN-690163
N71-17609*	c 32	NASA-CASE-XLA-02332			US-PATENT-3,310,256			US-PATENT-CLASS-95-11
		US-PATENT-APPL-SN-388024	N71-17680*	c 31	NASA-CASE-XLA-00117	N71-18481*	c 14	US-PATENT-3,520,238
		US-PATENT-CLASS-212-11			US-PATENT-APPL-SN-835153			NASA-CASE-XLA-02758
		US-PATENT-3,276,602			US-PATENT-CLASS-220-1			US-PATENT-APPL-SN-759665
N71-17610*	c 33	NASA-CASE-XLA-00377			US-PATENT-2,996,212			US-PATENT-CLASS-73-4

N71-18482*	c 14	US-PATENT-3,531,978	N71-18699*	c 14	US-PATENT-3,507,706	N71-19433*	c 07	US-PATENT-3,517,318
		NASA-CASE-XLA-07424			NASA-CASE-XLA-03273			NASA-CASE-MFS-13046
		US-PATENT-APPL-SN-635326			US-PATENT-APPL-SN-487352			US-PATENT-APPL-SN-673228
N71-18483*	c 14	US-PATENT-CLASS-313-7	N71-18701*	c 15	US-PATENT-CLASS-250-83.3	N71-19435*	c 08	US-PATENT-CLASS-178-6
		US-PATENT-3,466,484			US-PATENT-3,458,702			US-PATENT-3,532,807
		NASA-CASE-XER-09519			NASA-CASE-XMF-07587			NASA-CASE-XGS-02612
N71-18578*	c 11	US-PATENT-APPL-SN-676375	N71-18720*	c 09	US-PATENT-APPL-SN-649359	N71-19436*	c 07	US-PATENT-APPL-SN-502743
		US-PATENT-CLASS-55-208			US-PATENT-CLASS-317-122			US-PATENT-CLASS-340-347
		US-PATENT-3,469,375			US-PATENT-3,448,346			US-PATENT-3,509,558
N71-18579*	c 15	NASA-CASE-XAC-05902	N71-18721*	c 09	NASA-CASE-MS-12101	N71-19437*	c 08	NASA-CASE-XMF-09422
		US-PATENT-APPL-SN-662828			US-PATENT-APPL-SN-763705			US-PATENT-APPL-SN-783378
		US-PATENT-CLASS-89-8			US-PATENT-CLASS-343-718			US-PATENT-CLASS-174-35
N71-18580*	c 15	US-PATENT-3,465,638	N71-18722*	c 10	US-PATENT-3,509,570	N71-19438*	c 03	US-PATENT-3,517,109
		NASA-CASE-XGS-04175			NASA-CASE-XER-07894			NASA-CASE-XGS-04768
		US-PATENT-APPL-SN-606464			US-PATENT-APPL-SN-644444			US-PATENT-APPL-SN-598119
N71-18594*	c 08	US-PATENT-CLASS-72-364	N71-18723*	c 10	US-PATENT-CLASS-331-107	N71-19439*	c 05	US-PATENT-CLASS-235-158
		US-PATENT-3,465,567			US-PATENT-3,509,491			US-PATENT-3,508,039
		NASA-CASE-XNP-09698			NASA-CASE-ERC-10046			US-PATENT-CLASS-165-46
N71-18595*	c 08	US-PATENT-APPL-SN-698592	N71-18724*	c 10	US-PATENT-APPL-SN-793772	N71-19440*	c 05	US-PATENT-APPL-SN-549860
		US-PATENT-CLASS-138-4			US-PATENT-CLASS-343-100			US-PATENT-CLASS-320-23
		US-PATENT-CLASS-138-45			US-PATENT-3,501,764			US-PATENT-3,426,263
N71-18599*	c 09	US-PATENT-CLASS-251-118	N71-18751* #	c 08	NASA-CASE-XNP-09450	N71-19449*	c 09	NASA-CASE-XMS-09571
		US-PATENT-CLASS-251-121			US-PATENT-APPL-SN-640459			US-PATENT-APPL-SN-678700
		US-PATENT-3,532,128			US-PATENT-CLASS-307-273			US-PATENT-CLASS-165-46
N71-18600*	c 09	NASA-CASE-XAC-04031	N71-18772*	c 10	US-PATENT-3,501,649	N71-19466*	c 09	US-PATENT-3,425,487
		US-PATENT-APPL-SN-538905			NASA-CASE-XLA-09371			NASA-CASE-XMS-01177
		US-PATENT-CLASS-340-347			US-PATENT-APPL-SN-568160			US-PATENT-APPL-SN-516150
N71-18602*	c 08	US-PATENT-3,533,098	N71-18773*	c 11	US-PATENT-CLASS-318-257	N71-19467*	c 10	US-PATENT-CLASS-250-83
		NASA-CASE-XGS-03303			US-PATENT-3,504,258			US-PATENT-3,427,454
		US-PATENT-APPL-SN-520838			NASA-CASE-XLA-07732			NASA-CASE-XFR-03107
N71-18603*	c 12	US-PATENT-CLASS-340-174	N71-18830*	c 09	US-PATENT-APPL-SN-641441	N71-19470*	c 09	US-PATENT-APPL-SN-507257
		US-PATENT-3,501,752			US-PATENT-CLASS-307-216			US-PATENT-CLASS-178-6
		NASA-CASE-NPO-10066			US-PATENT-3,512,009			US-PATENT-3,458,651
N71-18603*	c 12	US-PATENT-APPL-SN-681693	N71-18843*	c 09	NASA-CASE-XMF-00663	N71-19471*	c 10	NASA-CASE-XGS-02812
		US-PATENT-CLASS-343-13			US-PATENT-APPL-SN-205470			US-PATENT-APPL-SN-502750
		US-PATENT-3,447,155			US-PATENT-CLASS-321-5			US-PATENT-CLASS-330-30
N71-18611*	c 31	NASA-CASE-LAR-10372	N71-19212*	c 21	US-PATENT-3,521,143	N71-19479*	c 09	US-PATENT-3,466,560
		US-PATENT-APPL-SN-730162			NASA-CASE-GSC-10366-1			NASA-CASE-XMF-08665
		US-PATENT-CLASS-102-70.2			US-PATENT-APPL-SN-771523			US-PATENT-APPL-SN-582609
N71-18613* #	c 15	US-PATENT-3,500,747	N71-19213*	c 15	US-PATENT-CLASS-318-138	N71-19480*	c 09	US-PATENT-CLASS-325-63
		NASA-CASE-MS-12168-1			US-PATENT-3,532,948			US-PATENT-3,470,475
		US-PATENT-APPL-SN-640154			NASA-CASE-XMF-07488			NASA-CASE-XMS-05605-1
N71-18614* #	c 16	US-PATENT-CLASS-312-296	N71-19214*	c 15	US-PATENT-APPL-SN-707495	N71-19485*	c 15	US-PATENT-APPL-SN-764812
		US-PATENT-3,447,850			US-PATENT-CLASS-35-12			US-PATENT-CLASS-178-69.5
		NASA-CASE-XGS-04766			US-PATENT-3,534,485			US-PATENT-3,532,819
N71-18615*	c 12	US-PATENT-APPL-SN-598120	N71-19287*	c 02	NASA-CASE-XAC-10768	N71-19486*	c 15	US-PATENT-APPL-SN-532104
		US-PATENT-CLASS-235-175			US-PATENT-APPL-SN-711970			US-PATENT-CLASS-331-113
		US-PATENT-3,532,866			US-PATENT-CLASS-250-83			US-PATENT-3,470,475
N71-18616*	c 15	US-PATENT-3,508,053	N71-19417*	c 10	US-PATENT-CLASS-321-5	N71-19489*	c 15	US-PATENT-CLASS-330-30
		NASA-CASE-XNP-03263			NASA-CASE-XLA-09371			NASA-CASE-XMS-04300
		US-PATENT-APPL-SN-506908			US-PATENT-APPL-SN-568160			US-PATENT-APPL-SN-516158
N71-18616*	c 15	US-PATENT-CLASS-340-146.1	N71-19418*	c 10	US-PATENT-3,501,743	N71-19493*	c 07	US-PATENT-CLASS-350-275
		US-PATENT-3,501,743			NASA-CASE-MFS-20386			US-PATENT-3,427,093
		US-PATENT-APPL-SN-551694			US-PATENT-APPL-SN-818349			NASA-CASE-XFR-05637
N71-18616* ^	c 15	US-PATENT-CLASS-152-11	N71-19420*	c 08	US-PATENT-CLASS-356-28	N71-19494*	c 11	US-PATENT-APPL-SN-484855
		US-PATENT-3,493,027			US-PATENT-CLASS-307-235			US-PATENT-CLASS-235-194
		NASA-CASE-XNP-02588			US-PATENT-3,532,427			US-PATENT-3,463,939
N71-18625*	c 14	US-PATENT-APPL-SN-563644	N71-19421*	c 10	NASA-CASE-MFS-14259	N71-19516*	c 09	NASA-CASE-XAC-04030
		US-PATENT-CLASS-219-91			US-PATENT-APPL-SN-787410			US-PATENT-APPL-SN-520839
		US-PATENT-3,466,418			US-PATENT-CLASS-138-43			US-PATENT-CLASS-328-1
N71-18625*	c 14	US-PATENT-3,536,103	N71-19431*	c 14	US-PATENT-3,536,103	N71-19544*	c 08	US-PATENT-3,464,016
		NASA-CASE-XGS-03644			NASA-CASE-MFS-20410			NASA-CASE-XMS-04300
		US-PATENT-APPL-SN-505320			US-PATENT-APPL-SN-819599			US-PATENT-APPL-SN-516158
N71-18625*	c 14	US-PATENT-CLASS-331-94.5	N71-19432*	c 08	US-PATENT-CLASS-244-1	N71-19544*	c 08	US-PATENT-CLASS-350-275
		US-PATENT-3,517,328			US-PATENT-3,534,926			US-PATENT-3,427,093
		NASA-CASE-XNP-09704			NASA-CASE-GSC-10087-1			NASA-CASE-XFR-05637
N71-18625*	c 14	US-PATENT-APPL-SN-730701	N71-19432*	c 08	US-PATENT-APPL-SN-701679	N71-19544*	c 08	US-PATENT-APPL-SN-484855
		US-PATENT-CLASS-137-594			US-PATENT-CLASS-343-112			US-PATENT-CLASS-235-194
		US-PATENT-CI ASS-138-46			US-PATENT-3,534,367			US-PATENT-3,423,579
N71-18625*	c 14	US-PATENT-CLASS-251-127	N71-19432*	c 08	NASA-CASE-NPO-10068	N71-19544*	c 08	NASA-CASE-MS-11010
		US-PATENT-CLASS-251-333			US-PATENT-APPL-SN-668969			US-PATENT-APPL-SN-605090
		US-PATENT-CLASS-251-342			US-PATENT-CLASS-340-172.5			US-PATENT-CLASS-251-31
N71-18625*	c 14	US-PATENT-CLASS-251-61.1	N71-19432*	c 08	US-PATENT-3,501,750	N71-19544*	c 08	US-PATENT-3,447,774
		US-PATENT-3,532,118			NASA-CASE-XMS-10984-1			NASA-CASE-XMF-08522
		NASA-CASE-XLA-07390			US-PATENT-APPL-SN-605095			US-PATENT-APPL-SN-640447
N71-18625*	c 14	US-PATENT-665681	N71-19432*	c 08	US-PATENT-CLASS-340-213.1	N71-19544*	c 08	US-PATENT-CLASS-219-121
		US-PATENT-CLASS-72-53			US-PATENT-3,533,093			US-PATENT-3,474,220
		US-PATENT-3,531,964			NASA-CASE-GSC-10041-1			NASA-CASE-XMF-04680
N71-18625*	c 14	NASA-CASE-NPO-10175	N71-19432*	c 08	US-PATENT-APPL-SN-684209	N71-19544*	c 08	US-PATENT-APPL-SN-634040
		US-PATENT-APPL-SN-685787			US-PATENT-CLASS-331-113			US-PATENT-CLASS-33-147
		US-PATENT-CLASS-137-505.12			US-PATENT-3,458,833			US-PATENT-3,425,131
N71-18625*	c 08	US-PATENT-3,443,583	N71-19432*	c 08	NASA-CASE-XNP-09453	N71-19544*	c 08	NASA-CASE-XKS-08485
		NASA-CASE-MFS-14322			US-PATENT-APPL-SN-640448			US-PATENT-APPL-SN-649078
		US-PATENT-APPL-SN-646934			US-PATENT-CLASS-226-190			US-PATENT-CLASS-343-873
N71-18625*	c 08	US-PATENT-CLASS-328-134	N71-19432*	c 08	US-PATENT-3,507,436	N71-19544*	c 08	US-PATENT-3,509,578
		US-PATENT-3,501,701			NASA-CASE-XLA-08493			NASA-CASE-MFS-10555
		NASA-CASE-XGS-04765			US-PATENT-APPL-SN-749148			US-PATENT-APPL-SN-700984
N71-18625*	c 08	US-PATENT-APPL-SN-577545	N71-19432*	c 08	US-PATENT-CLASS-324-72	N71-19544*	c 08	US-PATENT-CLASS-35-12
		US-PATENT-CLASS-235-156			US-PATENT-3,532,975			US-PATENT-3,516,179
		US-PATENT-3,508,036			NASA-CASE-XGS-02439			NASA-CASE-XNP-06937
N71-18625*	c 08	NASA-CASE-NPO-10201	N71-19432*	c 08	US-PATENT-APPL-SN-487341	N71-19544*	c 08	US-PATENT-APPL-SN-640449
		US-PATENT-APPL-SN-691738			US-PATENT-CLASS-324-120			US-PATENT-CLASS-330-30
		US-PATENT-CLASS-340-174			US-PATENT-3,422,352			US-PATENT-3,501,712
N71-18625*	c 03	US-PATENT-3,509,551	N71-19432*	c 08	NASA-CASE-XGS-02440	N71-19544*	c 08	NASA-CASE-XGS-01230
		NASA-CASE-NPO-10373			US-PATENT-APPL-SN-655677			US-PATENT-APPL-SN-356488
		US-PATENT-APPL-SN-718752			US-PATENT-CLASS-328-42			US-PATENT-CLASS-340-347
N71-18625*	c 03	US-PATENT-CLASS-136-89	N71-19432*	c 08	US-PATENT-CLASS-328-42	N71-19544*	c 08	US-PATENT-CLASS-340-347

N71-19545*	c 03	US-PATENT-3,474,441 NASA-CASE-NPO-10821 US-PATENT-APPL-SN-670814 US-PATENT-CLASS-136-89 US-PATENT-3,466,198	N71-20439*	c 14	US-PATENT-3,461,721 NASA-CASE-XAC-04886-1 US-PATENT-APPL-SN-574290 US-PATENT-CLASS-73-142 US-PATENT-3,425,272	N71-20742*	c 18	US-PATENT-3,360,980 NASA-CASE-XMS-02952 US-PATENT-APPL-SN-519160 US-PATENT-CLASS-55-158 US-PATENT-3,355,861
N71-19547*	c 10	NASA-CASE-XGS-03058 US-PATENT-APPL-SN-568987 US-PATENT-CLASS-307-289 US-PATENT-3,517,221	N71-20440*	c 15	NASA-CASE-XNP-09770 US-PATENT-APPL-SN-700120 US-PATENT-CLASS-209-10 US-PATENT-3,472,372	N71-20743*	c 17	NASA-CASE-XMF-02786 US-PATENT-APPL-SN-466873 US-PATENT-CLASS-75-142 US-PATENT-3,347,665
N71-19568*	c 14	NASA-CASE-MSC-10966 US-PATENT-APPL-SN-665676 US-PATENT-CLASS-250-203 US-PATENT-3,421,004	N71-20441*	c 15	NASA-CASE-XMS-06329-1 US-PATENT-APPL-SN-688742 US-PATENT-CLASS-73-141 US-PATENT-3,472,069	N71-20747*	c 25	NASA-CASE-XLE-02578 US-PATENT-APPL-SN-469012 US-PATENT-CLASS-313-271 US-PATENT-3,356,885
N71-19569*	c 15	NASA-CASE-XLA-05749 US-PATENT-APPL-SN-621714 US-PATENT-CLASS-137-582 US-PATENT-3,426,791	N71-20442*	c 14	NASA-CASE-MFS-11537 US-PATENT-APPL-SN-636878 US-PATENT-CLASS-23-254 US-PATENT-3,472,629	N71-20782*	c 10	NASA-CASE-XGS-01784 US-PATENT-APPL-SN-396444 US-PATENT-CLASS-250-206 US-PATENT-3,348,053
N71-19570*	c 15	NASA-CASE-XLE-05130-2 US-PATENT-APPL-SN-700586 US-PATENT-CLASS-277-25 US-PATENT-3,466,052	N71-20443*	c 15	NASA-CASE-MFS-07369 US-PATENT-APPL-SN-640462 US-PATENT-CLASS-29-492 US-PATENT-3,473,216	N71-20791*	c 07	NASA-CASE-XNP-05254 US-PATENT-APPL-SN-472372 US-PATENT-CLASS-325-31 US-PATENT-3,350,643
N71-19610*	c 09	NASA-CASE-NPO-10037 US-PATENT-APPL-SN-700987 US-PATENT-CLASS-200-152 US-PATENT-3,470,342	N71-20445*	c 09	NASA-CASE-XNP-09775 US-PATENT-APPL-SN-668247 US-PATENT-CLASS-333-96 US-PATENT-3,474,357	N71-20813*	c 15	NASA-CASE-XMS-02184 US-PATENT-APPL-SN-608247 US-PATENT-CLASS-248-27 US-PATENT-3,361,400
N71-19687*	c 08	NASA-CASE-XNP-04780 US-PATENT-APPL-SN-455477 US-PATENT-CLASS-340-347 US-PATENT-3,430,227	N71-20446*	c 09	NASA-CASE-XLE-04250 US-PATENT-APPL-SN-621098 US-PATENT-CLASS-310-54 US-PATENT-3,447,003	N71-20814*	c 07	NASA-CASE-XNP-01306 US-PATENT-APPL-SN-343426 US-PATENT-CLASS-179-15 US-PATENT-3,364,311
N71-19763*	c 08	NASA-CASE-XAC-06302 US-PATENT-APPL-SN-574284 US-PATENT-CLASS-325-60 US-PATENT-3,456,193	N71-20447*	c 09	NASA-CASE-XLA-02850 US-PATENT-APPL-SN-556784 US-PATENT-CLASS-307-267 US-PATENT-3,473,050	N71-20815*	c 12	NASA-CASE-XMF-01779 US-PATENT-APPL-SN-521999 US-PATENT-CLASS-346-1 US-PATENT-3,357,024
N71-19773*	c 07	NASA-CASE-GSC-10373-1 US-PATENT-APPL-SN-712658 US-PATENT-CLASS-325-4 US-PATENT-3,532,985	N71-20448*	c 10	NASA-CASE-XNP-03744 US-PATENT-APPL-SN-547677 US-PATENT-CLASS-318-314 US-PATENT-3,424,966	N71-20816*	c 09	NASA-CASE-XAC-01677 US-PATENT-APPL-SN-596338 US-PATENT-CLASS-73-147 US-PATENT-3,360,988
N71-19854*	c 07	NASA-CASE-GSC-10553-1 US-PATENT-APPL-SN-820963 US-PATENT-CLASS-343-100 US-PATENT-3,534,365	N71-20461*	c 14	NASA-CASE-XNP-09763 US-PATENT-APPL-SN-600682 US-PATENT-CLASS-117-6 US-PATENT-3,433,662	N71-20834*	c 33	NASA-CASE-XMS-02009 US-PATENT-APPL-SN-455352 US-PATENT-CLASS-141-5 US-PATENT-3,349,814
N71-20268*	c 05	NASA-CASE-XLA-02898 US-PATENT-APPL-SN-429932 US-PATENT-CLASS-128-1 US-PATENT-3,461,855	N71-20491*	c 03	NASA-CASE-XGS-05443 US-PATENT-APPL-SN-667636 US-PATENT-CLASS-136-182 US-PATENT-3,463,673	N71-20841*	c 10	NASA-CASE-XGS-01222 US-PATENT-APPL-SN-354182 US-PATENT-CLASS-325-305 US-PATENT-3,348,152
N71-20273*	c 03	NASA-CASE-NPO-10188 US-PATENT-APPL-SN-681687 US-PATENT-CLASS-244-1 US-PATENT-3,473,758	N71-20492*	c 03	NASA-CASE-XLE-04787 US-PATENT-APPL-SN-551846 US-PATENT-CLASS-136-89 US-PATENT-3,434,885	N71-20842*	c 09	NASA-CASE-XNP-05381 US-PATENT-APPL-SN-568352 US-PATENT-CLASS-338-82 US-PATENT-3,350,671
N71-20330*	c 28	NASA-CASE-XLE-103477-1 US-PATENT-APPL-SN-466390 US-PATENT-CLASS-60-39.36 US-PATENT-3,433,015	N71-20518*	c 24	NASA-CASE-XNP-02592 US-PATENT-APPL-SN-484490 US-PATENT-CLASS-324-33 US-PATENT-3,430,131	N71-20851*	c 09	NASA-CASE-XNP-04732 US-PATENT-APPL-SN-557584 US-PATENT-CLASS-339-177 US-PATENT-3,358,264
N71-20393*	c 15	NASA-CASE-MFS-06074 US-PATENT-APPL-SN-688743 US-PATENT-CLASS-228-9 US-PATENT-3,458,104	N71-20563*	c 25	NASA-CASE-XLA-06232 US-PATENT-APPL-SN-612740 US-PATENT-CLASS-324-58.5 US-PATENT-3,473,116	N71-20852*	c 10	NASA-CASE-XGS-03562 US-PATENT-APPL-SN-584066 US-PATENT-CLASS-331-17 US-PATENT-3,361,985
N71-20395*	c 15	NASA-CASE-XMF-06065 US-PATENT-APPL-SN-665679 US-PATENT-CLASS-219-275 US-PATENT-3,466,424	N71-20569*	c 09	NASA-CASE-XMS-08589-1 US-PATENT-APPL-SN-544899 US-PATENT-CLASS-324-57 US-PATENT-3,434,050	N71-20864*	c 09	NASA-CASE-XGS-03501 US-PATENT-APPL-SN-576521 US-PATENT-CLASS-343-16 US-PATENT-3,359,555
N71-20396*	c 31	NASA-CASE-XMF-08523 US-PATENT-APPL-SN-645563 US-PATENT-CLASS-244-1 US-PATENT-3,465,986	N71-20570*	c 02	NASA-CASE-XAC-08972 US-PATENT-APPL-SN-700174 US-PATENT-CLASS-244-76 US-PATENT-3,472,470	N71-20895*	c 03	NASA-CASE-XNP-00826 US-PATENT-APPL-SN-327163 US-PATENT-CLASS-136-89 US-PATENT-3,346,419
N71-20400*	c 16	NASA-CASE-MFS-11279 US-PATENT-APPL-SN-628094 US-PATENT-CLASS-219-121 US-PATENT-3,472,998	N71-20571*	c 08	NASA-CASE-XGS-04987 US-PATENT-APPL-SN-619908 US-PATENT-CLASS-315-24 US-PATENT-3,437,874	N71-20896*	c 12	NASA-CASE-XNP-02251 US-PATENT-APPL-SN-432030 US-PATENT-CLASS-321-48 US-PATENT-3,337,790
N71-20407*	c 03	NASA-CASE-NPO-10194 US-PATENT-APPL-SN-668249 US-PATENT-CLASS-136-182 US-PATENT-3,460,995	N71-20658*	c 09	NASA-CASE-XMS-03454 US-PATENT-APPL-SN-425363 US-PATENT-CLASS-343-915 US-PATENT-3,360,798	N71-20904*	c 03	NASA-CASE-XLE-01645 US-PATENT-APPL-SN-342574 US-PATENT-CLASS-136-86 US-PATENT-3,357,862
N71-20427*	c 14	NASA-CASE-XMS-13052 US-PATENT-APPL-SN-561223 US-PATENT-CLASS-62-268 US-PATENT-3,455,121	N71-20705*	c 09	NASA-CASE-XMF-01599 US-PATENT-APPL-SN-381940 US-PATENT-CLASS-117-212 US-PATENT-3,359,132	N71-20905*	c 06	NASA-CASE-XMF-02584 US-PATENT-APPL-SN-506135 US-PATENT-CLASS-260-2 US-PATENT-3,346,515
N71-20428*	c 14	NASA-CASE-XGS-04879 US-PATENT-APPL-SN-541399 US-PATENT-CLASS-324-5 US-PATENT-3,443,208	N71-20717*	c 06	NASA-CASE-XMF-04133 US-PATENT-APPL-SN-554949 US-PATENT-CLASS-260-2 US-PATENT-3,354,098	N71-20942*	c 28	NASA-CASE-XNP-04389 US-PATENT-APPL-SN-523511 US-PATENT-CLASS-60-265 US-PATENT-3,353,359
N71-20429*	c 14	NASA-CASE-XLE-05260 US-PATENT-APPL-SN-674355 US-PATENT-CLASS-73-117.4 US-PATENT-3,463,001	N71-20718*	c 05	NASA-CASE-XMS-04625 US-PATENT-APPL-SN-519161 US-PATENT-CLASS-244-122 US-PATENT-3,356,320	N71-21006*	c 14	NASA-CASE-XLA-01832 US-PATENT-APPL-SN-517858 US-PATENT-CLASS-346-50 US-PATENT-3,354,462
N71-20430*	c 14	NASA-CASE-XLA-03645 US-PATENT-APPL-SN-600266 US-PATENT-CLASS-250-83 US-PATENT-3,450,878	N71-20739*	c 15	NASA-CASE-XGS-02011 US-PATENT-APPL-SN-502693 US-PATENT-CLASS-308-9 US-PATENT-3,359,046	N71-21007*	c 14	NASA-CASE-XMS-06236 US-PATENT-APPL-SN-482670 US-PATENT-CLASS-73-290 US-PATENT-3,355,948
N71-20435*	c 14	NASA-CASE-XMS-06767-1 US-PATENT-APPL-SN-716795 US-PATENT-CLASS-73-422 US-PATENT-3,438,263	N71-20740*	c 15	NASA-CASE-XLA-01808 US-PATENT-APPL-SN-517159 US-PATENT-CLASS-74-471 US-PATENT-3,364,777	N71-21042*	c 08	NASA-CASE-XGS-01021 US-PATENT-APPL-SN-279646 US-PATENT-CLASS-340-174.1 US-PATENT-3,327,298
N71-20436*	c 12	NASA-CASE-LAR-11138 US-PATENT-APPL-SN-694317 US-PATENT-CLASS-73-147	N71-20741*	c 14	NASA-CASE-XMS-01618 US-PATENT-APPL-SN-418362 US-PATENT-CLASS-73-29	N71-21045*	c 32	NASA-CASE-XLA-01731 US-PATENT-APPL-SN-425366 US-PATENT-CLASS-52-2

N71-21060*	c 15	US-PATENT-3,364,631	N71-21483*	c 10	US-PATENT-3,345,866	N71-22706*	c 15	US-PATENT-3,341,977
		NASA-CASE-XLA-03660			NASA-CASE-XGS-01155			NASA-CASE-XMS-09310
		US-PATENT-APPL-SN-482307			US-PATENT-APPL-SN-557871			US-PATENT-APPL-SN-655724
		US-PATENT-CLASS-95-53			US-PATENT-CLASS-343-16			US-PATENT-CLASS-137-496
N71-21064*	c 31	US-PATENT-3,361,045	N71-21489*	c 15	US-PATENT-3,344,425	N71-22707*	c 08	US-PATENT-3,384,111
		NASA-CASE-XGS-02554			NASA-CASE-XNP-06914			NASA-CASE-XNP-04067
		US-PATENT-APPL-SN-504266			US-PATENT-APPL-SN-590147			US-PATENT-APPL-SN-466875
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-85-33			US-PATENT-CLASS-340-172.5
N71-21068*	c 18	US-PATENT-3,350,034	N71-21493*	c 28	US-PATENT-3,352,192	N71-22710*	c 08	US-PATENT-3,369,222
		NASA-CASE-XNP-02888			NASA-CASE-XLA-10450			NASA-CASE-XNP-02778
		US-PATENT-APPL-SN-409126			US-PATENT-APPL-SN-594587			US-PATENT-APPL-SN-508170
		US-PATENT-CLASS-239-265.11			US-PATENT-CLASS-239-265.19			US-PATENT-CLASS-340-172.5
N71-21072*	c 14	US-PATENT-3,347,465	N71-21507*	c 33	US-PATENT-3,347,466	N71-22713*	c 15	US-PATENT-3,369,223
		NASA-CASE-XAC-02981			NASA-CASE-XLE-04603			NASA-CASE-XLA-03492
		US-PATENT-APPL-SN-464879			US-PATENT-APPL-SN-638194			US-PATENT-APPL-SN-395348
		US-PATENT-CLASS-73-398			US-PATENT-CLASS-60-243			US-PATENT-CLASS-156-60
N71-21076*	c 15	US-PATENT-3,352,157	N71-21528*	c 15	US-PATENT-3,347,046	N71-22721*	c 15	US-PATENT-3,342,653
		NASA-CASE-XMS-03745			NASA-CASE-XLA-01446			NASA-CASE-XMF-03212
		US-PATENT-APPL-SN-534295			US-PATENT-APPL-SN-400613			US-PATENT-APPL-SN-577549
		US-PATENT-CLASS-24-263			US-PATENT-CLASS-53-102			US-PATENT-CLASS-55-418
N71-21078*	c 15	US-PATENT-3,346,929	N71-21529*	c 15	US-PATENT-3,336,725	N71-22722*	c 15	US-PATENT-3,385,036
		NASA-CASE-XNP-03459			NASA-CASE-XGS-02422			NASA-CASE-XMS-04292
		US-PATENT-APPL-SN-457879			US-PATENT-APPL-SN-493943			US-PATENT-APPL-SN-517157
		US-PATENT-CLASS-29-495			US-PATENT-CLASS-74-126			US-PATENT-CLASS-82-14
N71-21079*	c 14	US-PATENT-3,357,093	N71-21530*	c 15	US-PATENT-3,331,255	N71-22723*	c 15	US-PATENT-3,373,640
		NASA-CASE-XLA-03102			NASA-CASE-XMS-03722			NASA-CASE-XMF-01083
		US-PATENT-APPL-SN-576195			US-PATENT-APPL-SN-487934			US-PATENT-APPL-SN-432028
		US-PATENT-CLASS-33-31			US-PATENT-CLASS-267-64			US-PATENT-CLASS-72-83
N71-21082*	c 14	US-PATENT-3,364,578	N71-21531*	c 15	US-PATENT-3,330,549	N71-22748*	c 05	US-PATENT-3,340,713
		NASA-CASE-XGS-02629			NASA-CASE-XNP-02341			NASA-CASE-XMS-04170
		US-PATENT-APPL-SN-500435			US-PATENT-APPL-SN-432025			US-PATENT-APPL-SN-482311
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-52-127			US-PATENT-CLASS-9-312
N71-21088*	c 14	US-PATENT-3,350,033	N71-21536*	c 15	US-PATENT-3,330,082	N71-22749*	c 08	US-PATENT-3,343,189
		NASA-CASE-XNP-06957			NASA-CASE-XMS-06876			NASA-CASE-XNP-02748
		US-PATENT-APPL-SN-406097			US-PATENT-APPL-SN-605100			US-PATENT-APPL-SN-420245
		US-PATENT-CLASS-250-83.3			US-PATENT-CLASS-72-34			US-PATENT-CLASS-340-146.1
N71-21089*	c 12	US-PATENT-3,348,048	N71-21583*	c 09	US-PATENT-3,345,840	N71-22750*	c 07	US-PATENT-3,373,404
		NASA-CASE-XMS-01905			NASA-CASE-XLE-02008			NASA-CASE-XNP-01735
		US-PATENT-APPL-SN-280580			US-PATENT-APPL-SN-487342			US-PATENT-APPL-SN-408438
		US-PATENT-CLASS-141-91			US-PATENT-CLASS-338-64			US-PATENT-CLASS-343-786
N71-21090*	c 14	US-PATENT-3,331,404	N71-21586*	c 33	US-PATENT-3,329,918	N71-22752*	c 14	US-PATENT-3,373,431
		NASA-CASE-XLE-00787			NASA-CASE-XLA-01794			NASA-CASE-XMF-01974
		US-PATENT-APPL-SN-330210			US-PATENT-APPL-SN-464880			US-PATENT-APPL-SN-568354
		US-PATENT-CLASS-324-33			US-PATENT-CLASS-73-86			US-PATENT-CLASS-73-419
N71-21091*	c 14	US-PATENT-3,346,806	N71-21651*	c 18	US-PATENT-3,357,237	N71-22765*	c 14	US-PATENT-3,383,922
		NASA-CASE-XNP-02983			NASA-CASE-XMF-01402			NASA-CASE-XLA-00934
		US-PATENT-APPL-SN-407599			US-PATENT-APPL-SN-328140			US-PATENT-APPL-SN-326298
		US-PATENT-CLASS-73-88.5			US-PATENT-CLASS-161-68			US-PATENT-CLASS-73-84
N71-21177*	c 15	US-PATENT-3,350,926	N71-21688*	c 21	US-PATENT-3,346,442	N71-22792*	c 33	US-PATENT-3,339,404
		NASA-CASE-XAC-06956			NASA-CASE-XMF-00684			NASA-CASE-XLA-01243
		US-PATENT-APPL-SN-538166			US-PATENT-APPL-SN-260087			US-PATENT-APPL-SN-538911
		US-PATENT-CLASS-259-71			US-PATENT-CLASS-235-150.25			US-PATENT-CLASS-244-1
N71-21179*	c 15	US-PATENT-3,347,531	N71-21693*	c 25	US-PATENT-3,331,951	N71-22796*	c 09	US-PATENT-3,384,324
		NASA-CASE-XLA-01401			NASA-CASE-XLA-03103			NASA-CASE-XKS-03381
		US-PATENT-APPL-SN-382976			US-PATENT-APPL-SN-531642			US-PATENT-APPL-SN-437611
		US-PATENT-CLASS-235-61.6			US-PATENT-CLASS-315-111			US-PATENT-CLASS-317-9
N71-21234*	c 15	US-PATENT-3,346,724	N71-21694*	c 25	US-PATENT-3,333,152	N71-22797*	c 15	US-PATENT-3,340,430
		NASA-CASE-XKS-02582			NASA-CASE-XLE-02902			NASA-CASE-XLE-01092
		US-PATENT-APPL-SN-424153			US-PATENT-APPL-SN-485957			US-PATENT-APPL-SN-422098
		US-PATENT-CLASS-251-172			US-PATENT-CLASS-60-202			US-PATENT-CLASS-72-253
N71-21311*	c 15	US-PATENT-3,327,991	N71-21708*	c 21	US-PATENT-3,336,748	N71-22798*	c 15	US-PATENT-3,342,055
		NASA-CASE-XNP-03637			NASA-CASE-XLA-02551			NASA-CASE-XMS-04178
		US-PATENT-APPL-SN-453232			US-PATENT-APPL-SN-416940			US-PATENT-APPL-SN-511299
		US-PATENT-CLASS-310-9.1			US-PATENT-CLASS-244-1			US-PATENT-CLASS-83-467
N71-21403*	c 15	US-PATENT-3,359,435	N71-21744*	c 15	US-PATENT-3,329,375	N71-22799*	c 15	US-PATENT-3,367,224
		NASA-CASE-XMF-03988			NASA-CASE-XGS-04227			NASA-CASE-XMF-03511
		US-PATENT-APPL-SN-578923			US-PATENT-APPL-SN-545805			US-PATENT-APPL-SN-540414
		US-PATENT-CLASS-252-26			US-PATENT-CLASS-74-409			US-PATENT-CLASS-90-12
N71-21404*	c 15	US-PATENT-3,361,656	N71-21819*	c 27	US-PATENT-3,359,819	N71-22874*	c 15	US-PATENT-3,386,337
		NASA-CASE-XLA-01262			NASA-CASE-XLE-03494			NASA-CASE-XLA-00188
		US-PATENT-APPL-SN-386800			US-PATENT-APPL-SN-529593			US-PATENT-APPL-SN-254847
		US-PATENT-CLASS-156-3			US-PATENT-CLASS-60-251			US-PATENT-CLASS-102-49.5
N71-21449*	c 09	US-PATENT-3,356,549	N71-21821*	c 23	US-PATENT-3,345,822	N71-22875*	c 11	US-PATENT-3,368,486
		NASA-CASE-XMS-01991			NASA-CASE-XNP-01059			NASA-CASE-XAC-05333
		US-PATENT-APPL-SN-410326			US-PATENT-APPL-SN-393464			US-PATENT-APPL-SN-546148
		US-PATENT-CLASS-323-22			US-PATENT-CLASS-250-232			US-PATENT-CLASS-119-15
N71-21473*	c 10	US-PATENT-3,344,340	N71-21822*	c 28	US-PATENT-3,354,320	N71-22877*	c 15	US-PATENT-3,367,308
		NASA-CASE-XGS-08679			NASA-CASE-XNP-04124			NASA-CASE-XMF-10040
		US-PATENT-APPL-SN-312443			US-PATENT-APPL-SN-498168			US-PATENT-APPL-SN-592680
		US-PATENT-CLASS-343-113			US-PATENT-CLASS-60-202			US-PATENT-CLASS-188-1
N71-21474*	c 11	US-PATENT-3,340,532	N71-21824*	c 26	US-PATENT-3,345,820	N71-22878*	c 15	US-PATENT-3,381,778
		NASA-CASE-XMS-04798			NASA-CASE-XNP-05429			NASA-CASE-XMS-04545
		US-PATENT-APPL-SN-480210			US-PATENT-APPL-SN-578928			US-PATENT-APPL-SN-508601
		US-PATENT-CLASS-35-12			US-PATENT-CLASS-103-1			US-PATENT-CLASS-73-144
N71-21475*	c 11	US-PATENT-3,330,052	N71-21881*	c 31	US-PATENT-3,361,067	N71-22880*	c 21	US-PATENT-3,381,527
		NASA-CASE-XLA-05378			NASA-CASE-XNP-02595			NASA-CASE-XLA-00793
		US-PATENT-APPL-SN-484156			US-PATENT-APPL-SN-502709			US-PATENT-APPL-SN-369334
		US-PATENT-CLASS-73-343			US-PATENT-CLASS-244-1			US-PATENT-CLASS-88-1
N71-21476*	c 07	US-PATENT-3,331,246	N71-21882*	c 23	US-PATENT-3,333,788	N71-22881*	c 23	US-PATENT-3,381,569
		NASA-CASE-XNP-00746			NASA-CASE-XNP-03853			NASA-CASE-XLE-04222
		US-PATENT-APPL-SN-271824			US-PATENT-APPL-SN-578931			US-PATENT-APPL-SN-512559
		US-PATENT-CLASS-235-181			US-PATENT-CLASS-88-24			US-PATENT-CLASS-220-9
N71-21481*	c 11	US-PATENT-3,359,409	N71-22705*	c 15	US-PATENT-3,359,855	N71-22888*	c 09	US-PATENT-3,379,330
		NASA-CASE-XLA-01326			NASA-CASE-XGS-02884			NASA-CASE-XLA-03114
		US-PATENT-APPL-SN-422097			US-PATENT-APPL-SN-432433			US-PATENT-APPL-SN-440039
		US-PATENT-CLASS-73-147			US-PATENT-CLASS-51-57			US-PATENT-CLASS-343-708

N71-22890*	c 33	US-PATENT-3,373,430	N71-22993*	c 14	US-PATENT-3,377,845	N71-23037*	c 14	US-PATENT-3,383,903
		NASA-CASE-XLA-07728			NASA-CASE-XMS-05365			NASA-CASE-XAC-01662
		US-PATENT-APPL-SN-538908			US-PATENT-APPL-SN-515484			US-PATENT-APPL-SN-385520
N71-22894*	c 18	US-PATENT-CLASS-165-96	N71-22994*	c 15	US-PATENT-CLASS-310-8.5	N71-23039*	c 14	US-PATENT-CLASS-324-117
		US-PATENT-3,374,830			US-PATENT-3,387,149			US-PATENT-3,365,665
		NASA-CASE-XLE-03925			NASA-CASE-XFR-05421			NASA-CASE-XNP-01659
N71-22895*	c 16	US-PATENT-APPL-SN-514407	N71-22995*	c 14	US-PATENT-APPL-SN-567686	N71-23040*	c 14	US-PATENT-APPL-SN-410332
		US-PATENT-CLASS-75-204			US-PATENT-CLASS-24-126			US-PATENT-CLASS-136-230
		US-PATENT-3,337,337			US-PATENT-3,378,892			US-PATENT-3,377,208
N71-22896*	c 05	NASA-CASE-XMS-04269	N71-22996*	c 14	NASA-CASE-XNP-08680	N71-23041*	c 14	NASA-CASE-XNP-05535
		US-PATENT-APPL-SN-516793			US-PATENT-APPL-SN-562444			US-PATENT-APPL-SN-487939
		US-PATENT-CLASS-250-199			US-PATENT-CLASS-73-9			US-PATENT-CLASS-244-1
N71-22897*	c 08	US-PATENT-3,341,708	N71-22997*	c 15	US-PATENT-3,376,730	N71-23042*	c 11	US-PATENT-3,339,863
		NASA-CASE-XMS-02399			NASA-CASE-XGS-01331			NASA-CASE-XNP-01056
		US-PATENT-APPL-SN-492344			US-PATENT-APPL-SN-445807			US-PATENT-APPL-SN-377146
N71-22961*	c 10	US-PATENT-CLASS-128-2.06	N71-22998*	c 18	US-PATENT-CLASS-250-218	N71-23043*	c 26	US-PATENT-CLASS-250-41.9
		US-PATENT-3,384,075			US-PATENT-3,388,258			US-PATENT-3,340,395
		NASA-CASE-XNP-01753			NASA-CASE-XNP-01641			NASA-CASE-XMS-02930
N71-22962*	c 10	US-PATENT-APPL-SN-423412	N71-22999*	c 09	US-PATENT-APPL-SN-464885	N71-23044*	c 17	US-PATENT-APPL-SN-417253
		US-PATENT-CLASS-235-92			US-PATENT-CLASS-308-10			US-PATENT-CLASS-250-52
		US-PATENT-3,374,339			US-PATENT-3,378,315			US-PATENT-3,340,397
N71-22964*	c 14	NASA-CASE-XMS-02159	N71-23000*	c 07	NASA-CASE-XGS-02435	N71-23045*	c 18	NASA-CASE-XNP-01959
		US-PATENT-APPL-SN-534564			US-PATENT-APPL-SN-392965			US-PATENT-APPL-SN-410330
		US-PATENT-CLASS-323-56			US-PATENT-CLASS-106-40			US-PATENT-CLASS-136-89
N71-22966*	c 10	US-PATENT-3,365,657	N71-22999*	c 09	US-PATENT-3,382,082	N71-23046*	c 17	US-PATENT-3,396,057
		NASA-CASE-XGS-05441			NASA-CASE-XLA-00781			NASA-CASE-XNP-04338
		US-PATENT-APPL-SN-505321			US-PATENT-APPL-SN-307271			US-PATENT-APPL-SN-461765
N71-22968*	c 31	US-PATENT-CLASS-328-233	N71-23001*	c 07	US-PATENT-CLASS-88-14	N71-23047*	c 18	US-PATENT-CLASS-29-182.2
		US-PATENT-3,366,886			US-PATENT-3,364,813			US-PATENT-3,421,864
		NASA-CASE-XLE-02024			NASA-CASE-XGS-01812			NASA-CASE-XLA-01995
N71-22965*	c 14	US-PATENT-APPL-SN-422099	N71-23006*	c 03	US-PATENT-APPL-SN-392973	N71-23048*	c 15	US-PATENT-APPL-SN-411945
		US-PATENT-CLASS-73-15			US-PATENT-CLASS-340-174.1			US-PATENT-CLASS-148-6.16
		US-PATENT-3,365,930			US-PATENT-3,380,042			US-PATENT-3,395,053
N71-22967*	c 14	NASA-CASE-XGS-02319	N71-23007*	c 02	NASA-CASE-XGS-02631	N71-23049*	c 15	NASA-CASE-XNP-03972
		US-PATENT-APPL-SN-496205			US-PATENT-APPL-SN-425972			US-PATENT-APPL-SN-502710
		US-PATENT-CLASS-73-117			US-PATENT-CLASS-136-133			US-PATENT-CLASS-184-1
N71-22968*	c 31	US-PATENT-3,365,941	N71-23008*	c 31	US-PATENT-CLASS-136-133	N71-23050*	c 15	US-PATENT-3,367,445
		NASA-CASE-XLA-02050			US-PATENT-3,340,099			NASA-CASE-XMF-01049
		US-PATENT-APPL-SN-568067			NASA-CASE-XMF-04163			US-PATENT-APPL-SN-506137
N71-22969*	c 31	US-PATENT-CLASS-244-1	N71-23009*	c 31	US-PATENT-CLASS-73-189	N71-23051*	c 15	US-PATENT-CLASS-339-5
		US-PATENT-3,386,685			US-PATENT-3,340,732			US-PATENT-3,375,479
		NASA-CASE-XLA-03132			NASA-CASE-XLA-04804			NASA-CASE-XMF-01730
N71-22974*	c 03	US-PATENT-APPL-SN-610728	N71-23009*	c 31	US-PATENT-APPL-SN-577546	N71-23052*	c 15	US-PATENT-APPL-SN-517869
		US-PATENT-CLASS-244-1			US-PATENT-CLASS-102-49.5			US-PATENT-CLASS-228-8
		US-PATENT-3,386,686			US-PATENT-3,384,016			US-PATENT-3,373,914
N71-22975*	c 06	NASA-CASE-XGS-02630	N71-23009*	c 31	NASA-CASE-XGS-02607	N71-23051*	c 15	NASA-CASE-XAC-01158
		US-PATENT-APPL-SN-494287			US-PATENT-APPL-SN-474531			US-PATENT-APPL-SN-420250
		US-PATENT-CLASS-136-132			US-PATENT-CLASS-244-1			US-PATENT-CLASS-137-625.5
N71-22975*	c 06	US-PATENT-3,382,107	N71-23015*	c 09	US-PATENT-3,341,151	N71-23052*	c 15	US-PATENT-3,369,564
		NASA-CASE-XNP-07659			NASA-CASE-XGS-02751			NASA-CASE-XLA-03497
		US-PATENT-APPL-SN-567806			US-PATENT-APPL-SN-491059			US-PATENT-APPL-SN-392992
N71-22982*	c 15	US-PATENT-CLASS-18-26	N71-23015*	c 09	US-PATENT-CLASS-307-288	N71-23052*	c 15	US-PATENT-CLASS-156-285
		US-PATENT-3,381,339			US-PATENT-3,374,366			US-PATENT-3,373,069
		NASA-CASE-XLA-02809			NASA-CASE-XAC-02807			NASA-CASE-XLE-02531
N71-22983*	c 28	US-PATENT-APPL-SN-554897	N71-23021*	c 09	US-PATENT-APPL-SN-456581	N71-23080*	c 05	US-PATENT-APPL-SN-425096
		US-PATENT-CLASS-308-176			US-PATENT-CLASS-324-120			US-PATENT-CLASS-312-1
		US-PATENT-3,397,932			US-PATENT-3,384,820			US-PATENT-3,337,279
N71-22983*	c 28	NASA-CASE-XMF-06926	N71-23022*	c 15	NASA-CASE-XMS-01625	N71-23081*	c 28	NASA-CASE-XNP-02923
		US-PATENT-APPL-SN-537615			US-PATENT-APPL-SN-418933			US-PATENT-APPL-SN-494280
		US-PATENT-CLASS-60-258			US-PATENT-CLASS-136-86			US-PATENT-CLASS-60-202
N71-22984*	c 07	US-PATENT-3,336,754	N71-23023*	c 15	US-PATENT-3,389,017	N71-23084*	c 10	US-PATENT-3,367,114
		NASA-CASE-XMS-04312			NASA-CASE-XMF-04042			NASA-CASE-XLA-01219
		US-PATENT-APPL-SN-521754			US-PATENT-APPL-SN-605518			US-PATENT-APPL-SN-402978
N71-22984*	c 07	US-PATENT-CLASS-343-708	N71-23023*	c 15	US-PATENT-CLASS-55-204	N71-23084*	c 10	US-PATENT-CLASS-332-1
		US-PATENT-3,384,895			US-PATENT-3,397,512			US-PATENT-3,366,894
		NASA-CASE-XMF-03934			NASA-CASE-XNP-01747			NASA-CASE-XFR-03802
N71-22985*	c 09	US-PATENT-APPL-SN-530958	N71-23024*	c 15	US-PATENT-APPL-SN-413661	N71-23085*	c 33	US-PATENT-APPL-SN-425096
		US-PATENT-CLASS-250-83.3			US-PATENT-CLASS-251-148			US-PATENT-CLASS-73-190
		US-PATENT-3,379,885			US-PATENT-3,341,169			US-PATENT-3,367,182
N71-22986*	c 10	NASA-CASE-XMF-01892	N71-23025*	c 15	NASA-CASE-XNP-08877	N71-23086*	c 15	NASA-CASE-XMS-04533
		US-PATENT-APPL-SN-464878			US-PATENT-APPL-SN-574282			US-PATENT-APPL-SN-557016
		US-PATENT-CLASS-328-167			US-PATENT-CLASS-62-6			US-PATENT-CLASS-202-234
N71-22987*	c 09	US-PATENT-3,375,451	N71-23026*	c 07	US-PATENT-3,367,121	N71-23087*	c 14	US-PATENT-3,397,117
		NASA-CASE-XLE-04788			NASA-CASE-XNP-02791			NASA-CASE-XNP-03918
		US-PATENT-APPL-SN-537617			US-PATENT-APPL-SN-390251			US-PATENT-APPL-SN-510475
N71-22988*	c 09	US-PATENT-CLASS-313-352	N71-23027*	c 09	US-PATENT-CLASS-178-6	N71-23088*	c 18	US-PATENT-CLASS-73-88.5
		US-PATENT-3,396,303			US-PATENT-3,383,461			US-PATENT-3,388,590
		NASA-CASE-XGS-03304			NASA-CASE-XNP-01960			NASA-CASE-XNP-00597
N71-22988*	c 09	US-PATENT-APPL-SN-483886	N71-23027*	c 09	US-PATENT-APPL-SN-438135	N71-23088*	c 18	US-PATENT-APPL-SN-410325
		US-PATENT-CLASS-73-1			US-PATENT-CLASS-29-572			US-PATENT-APPL-SN-410325
		US-PATENT-3,381,517			US-PATENT-3,340,599			US-PATENT-CLASS-65-7
N71-22989*	c 14	NASA-CASE-XLA-01551	N71-23029*	c 10	NASA-CASE-XGS-03427	N71-23092*	c 14	US-PATENT-3,337,315
		US-PATENT-APPL-SN-422092			US-PATENT-APPL-SN-500446			NASA-CASE-XLA-01530
		US-PATENT-CLASS-73-190			US-PATENT-CLASS-307-265			US-PATENT-APPL-SN-420466
N71-22990*	c 14	US-PATENT-3,382,714	N71-23030*	c 11	US-PATENT-3,383,524	N71-23093*	c 14	US-PATENT-3,337,004
		NASA-CASE-XMS-04201			NASA-CASE-XNP-03578			NASA-CASE-XLE-03280
		US-PATENT-APPL-SN-507254			US-PATENT-APPL-SN-445292			US-PATENT-APPL-SN-517156
N71-22991*	c 14	US-PATENT-CLASS-324-70	N71-23033*	c 10	US-PATENT-CLASS-73-147	N71-23096*	c 05	US-PATENT-CLASS-73-400
		US-PATENT-3,379,974			US-PATENT-3,342,066			US-PATENT-3,379,064
		NASA-CASE-XLA-01791			NASA-CASE-XNP-01318			NASA-CASE-XMS-06064
N71-22992*	c 14	US-PATENT-APPL-SN-462763	N71-23036*	c 14	US-PATENT-APPL-SN-380965	N71-23097*	c 09	US-PATENT-APPL-SN-563646
		US-PATENT-CLASS-250-227			US-PATENT-CLASS-340-174			US-PATENT-CLASS-2-14
		US-PATENT-3,397,318			US-PATENT-3,388,387			US-PATENT-3,378,851
N71-22992*	c 14	NASA-CASE-XGS-01023	N71-23036*	c 14	NASA-CASE-XNP-01660	N71-23097*	c 09	NASA-CASE-XNP-02140
		US-PATENT-APPL-SN-446131			US-PATENT-APPL-SN-578916			US-PATENT-APPL-SN-440036
		US-PATENT-CLASS-73-65			US-PATENT-CLASS-73-4			US-PATENT-CLASS-330-61

N71-23098*	c 07	US-PATENT-3,337,812 NASA-CASE-XGS-00740 US-PATENT-APPL-SN-353644 US-PATENT-CLASS-325-305 US-PATENT-3,341,778	N71-23269*	c 14	US-PATENT-3,419,329 NASA-CASE-XLA-01584 US-PATENT-APPL-SN-416943 US-PATENT-CLASS-250-203 US-PATENT-3,389,260	N71-23544*	c 10	US-PATENT-3,393,347 NASA-CASE-XNP-05382 US-PATENT-APPL-SN-536217 US-PATENT-CLASS-332-19 US-PATENT-3,393,380
N71-23099*	c 10	NASA-CASE-XNP-08875 US-PATENT-APPL-SN-640455 US-PATENT-CLASS-343-6.5 US-PATENT-3,380,049	N71-23270*	c 09	NASA-CASE-XMS-04919 US-PATENT-APPL-SN-516155 US-PATENT-CLASS-307-263 US-PATENT-3,417,266	N71-23545*	c 09	NASA-CASE-XMF-04367 US-PATENT-APPL-SN-457874 US-PATENT-CLASS-307-235 US-PATENT-3,404,289
N71-23159*	c 05	NASA-CASE-XMF-06589 US-PATENT-APPL-SN-543206 US-PATENT-CLASS-5-82 US-PATENT-3,343,180	N71-23271*	c 10	NASA-CASE-XNP-00952 US-PATENT-APPL-SN-368967 US-PATENT-CLASS-317-148.5 US-PATENT-3,417,298	N71-23548*	c 09	NASA-CASE-XNP-06507 US-PATENT-APPL-SN-605099 US-PATENT-CLASS-333-98 US-PATENT-3,419,827
N71-23161*	c 05	NASA-CASE-XAC-07043 US-PATENT-APPL-SN-566397 US-PATENT-CLASS-2-2.1 US-PATENT-3,405,406	N71-23289*	c 21	NASA-CASE-XMF-01669 US-PATENT-APPL-SN-399419 US-PATENT-CLASS-74-5.47 US-PATENT-3,415,126	N71-23573*	c 09	NASA-CASE-XGS-01418 US-PATENT-APPL-SN-392969 US-PATENT-CLASS-333-73 US-PATENT-3,393,384
N71-23174*	c 14	NASA-CASE-XGS-02610 US-PATENT-APPL-SN-491054 US-PATENT-CLASS-321-60 US-PATENT-3,417,316	N71-23292*	c 26	NASA-CASE-XLE-10715 US-PATENT-APPL-SN-603397 US-PATENT-CLASS-252-62.3 US-PATENT-3,409,554	N71-23598*	c 09	NASA-CASE-XER-11019 US-PATENT-APPL-SN-711971 US-PATENT-CLASS-331-78 US-PATENT-3,470,489
N71-23175*	c 14	NASA-CASE-XKS-03509 US-PATENT-APPL-SN-566392 US-PATENT-CLASS-356-166 US-PATENT-3,414,358	N71-23293*	c 28	NASA-CASE-XNP-06942 US-PATENT-APPL-SN-563651 US-PATENT-CLASS-60-202 US-PATENT-3,412,559	N71-23599*	c 22	NASA-CASE-XLE-01903 US-PATENT-APPL-SN-466868 US-PATENT-CLASS-310-4 US-PATENT-3,393,330
N71-23185*	c 04	NASA-CASE-XAC-05422 US-PATENT-APPL-SN-483885 US-PATENT-CLASS-128-2.05 US-PATENT-3,412,729	N71-23295*	c 08	NASA-CASE-XNP-04819 US-PATENT-APPL-SN-502701 US-PATENT-CLASS-340-146.2 US-PATENT-3,390,378	N71-23654*	c 26	NASA-CASE-XLE-02798 US-PATENT-APPL-SN-660571 US-PATENT-CLASS-148-1.5 US-PATENT-3,390,020
N71-23187*	c 03	NASA-CASE-XGS-03390 US-PATENT-APPL-SN-551182 US-PATENT-CLASS-136-89 US-PATENT-3,419,433	N71-23311*	c 09	NASA-CASE-XGS-03632 US-PATENT-APPL-SN-502739 US-PATENT-CLASS-307-260 US-PATENT-3,390,282	N71-23658*	c 18	NASA-CASE-XLE-02647 US-PATENT-APPL-SN-430226 US-PATENT-CLASS-220-9 US-PATENT-3,392,864
N71-23188*	c 09	NASA-CASE-XMF-14301 US-PATENT-APPL-SN-697341 US-PATENT-CLASS-321-2 US-PATENT-3,470,446	N71-23315*	c 10	NASA-CASE-XLA-03356 US-PATENT-APPL-SN-536216 US-PATENT-CLASS-307-234 US-PATENT-3,448,290	N71-23662*	c 10	NASA-CASE-XGS-01118 US-PATENT-APPL-SN-408442 US-PATENT-CLASS-235-154 US-PATENT-3,399,299
N71-23189*	c 09	NASA-CASE-XNP-06028 US-PATENT-APPL-SN-649356 US-PATENT-CLASS-315-26 US-PATENT-3,431,460	N71-23316*	c 09	NASA-CASE-XMS-09352 US-PATENT-APPL-SN-564919 US-PATENT-CLASS-323-22 US-PATENT-3,417,321	N71-23663*	c 10	NASA-CASE-XKS-04631 US-PATENT-APPL-SN-663180 US-PATENT-CLASS-200-82 US-PATENT-3,433,909
N71-23190*	c 09	NASA-CASE-XLE-04501 US-PATENT-APPL-SN-522794 US-PATENT-CLASS-313-231 US-PATENT-3,413,510	N71-23317*	c 05	NASA-CASE-XMS-06061 US-PATENT-APPL-SN-605092 US-PATENT-CLASS-307-260 US-PATENT-3,467,837	N71-23669*	c 10	NASA-CASE-XAC-10607 US-PATENT-APPL-SN-694345 US-PATENT-CLASS-331-111 US-PATENT-3,470,495
N71-23191*	c 09	NASA-CASE-XMS-05890 US-PATENT-APPL-SN-650166 US-PATENT-CLASS-137-554 US-PATENT-3,414,012	N71-23336*	c 03	NASA-CASE-XGS-01513 US-PATENT-APPL-SN-502756 US-PATENT-CLASS-136-166 US-PATENT-3,390,017	N71-23698*	c 14	NASA-CASE-XGS-08259 US-PATENT-APPL-SN-666551 US-PATENT-CLASS-242-192 US-PATENT-3,460,781
N71-23225*	c 14	NASA-CASE-XNP-04817 US-PATENT-APPL-SN-516152 US-PATENT-CLASS-73-12 US-PATENT-3,412,598	N71-23354*	c 03	NASA-CASE-XLE-04535 US-PATENT-APPL-SN-588671 US-PATENT-CLASS-250-212 US-PATENT-3,437,818	N71-23699*	c 14	NASA-CASE-XMF-10289 US-PATENT-APPL-SN-674356 US-PATENT-CLASS-324-72 US-PATENT-3,470,466
N71-23226*	c 14	NASA-CASE-XNP-06509 US-PATENT-APPL-SN-570095 US-PATENT-CLASS-73-194 US-PATENT-3,411,356	N71-23365*	c 17	NASA-CASE-XNP-03063 US-PATENT-APPL-SN-521994 US-PATENT-CLASS-75-172 US-PATENT-3,413,115	N71-23710*	c 18	NASA-CASE-XLE-08511 US-PATENT-APPL-SN-635972 US-PATENT-CLASS-29-182.1 US-PATENT-3,419,363
N71-23227*	c 14	NASA-CASE-XMF-06515 US-PATENT-APPL-SN-548808 US-PATENT-CLASS-73-432 US-PATENT-3,408,870	N71-23401*	c 14	NASA-CASE-XGS-03230 US-PATENT-APPL-SN-517158 US-PATENT-CLASS-250-83 US-PATENT-3,419,992	N71-23723*	c 30	NASA-CASE-XNP-09832 US-PATENT-APPL-SN-632163 US-PATENT-CLASS-343-100 US-PATENT-3,417,399
N71-23230*	c 06	NASA-CASE-XMF-06409 US-PATENT-APPL-SN-575930 US-PATENT-CLASS-260-448.2 US-PATENT-3,433,818	N71-23405*	c 07	NASA-CASE-XGS-01537 US-PATENT-APPL-SN-432026 US-PATENT-CLASS-325-163 US-PATENT-3,417,332	N71-23725*	c 14	NASA-CASE-XGS-01013 US-PATENT-APPL-SN-665209 US-PATENT-CLASS-73-133 US-PATENT-3,460,381
N71-23239*	c 03	NASA-CASE-XMF-08217 US-PATENT-APPL-SN-688807 US-PATENT-CLASS-321-2 US-PATENT-3,470,443	N71-23443*	c 09	NASA-CASE-XLE-02823 US-PATENT-APPL-SN-491058 US-PATENT-CLASS-310-10 US-PATENT-3,393,332	N71-23726*	c 14	NASA-CASE-XMF-05224 US-PATENT-APPL-SN-660842 US-PATENT-CLASS-73-189 US-PATENT-3,465,584
N71-23240*	c 14	NASA-CASE-XLA-00941 US-PATENT-APPL-SN-508873 US-PATENT-CLASS-250-227 US-PATENT-3,407,304	N71-23449*	c 03	NASA-CASE-XLE-08569 US-PATENT-APPL-SN-641420 US-PATENT-CLASS-136-89 US-PATENT-3,472,698	N71-23755*	c 14	NASA-CASE-XMF-04134 US-PATENT-APPL-SN-610723 US-PATENT-CLASS-73-4 US-PATENT-3,472,059
N71-23248*	c 17	NASA-CASE-XLE-03629 US-PATENT-APPL-SN-554950 US-PATENT-CLASS-75-170 US-PATENT-3,415,643	N71-23497*	c 01	NASA-CASE-XLA-01486 US-PATENT-APPL-SN-484485 US-PATENT-CLASS-244-13 US-PATENT-3,392,936	N71-23790*	c 14	NASA-CASE-XAC-04885 US-PATENT-APPL-SN-573432 US-PATENT-CLASS-73-141 US-PATENT-3,415,116
N71-23254*	c 15	NASA-CASE-XFR-05302 US-PATENT-APPL-SN-685463 US-PATENT-CLASS-85-7 US-PATENT-3,443,472	N71-23499*	c 06	NASA-CASE-XNP-03835 US-PATENT-APPL-SN-456874 US-PATENT-CLASS-44-77 US-PATENT-3,393,059	N71-23797*	c 14	NASA-CASE-XNP-06510 US-PATENT-APPL-SN-562445 US-PATENT-CLASS-250-203 US-PATENT-3,417,247
N71-23255*	c 15	NASA-CASE-XMS-07487 US-PATENT-APPL-SN-580365 US-PATENT-CLASS-244-83 US-PATENT-3,409,252	N71-23500*	c 06	NASA-CASE-XNP-03250 US-PATENT-APPL-SN-485058 US-PATENT-CLASS-260-85.5 US-PATENT-3,419,537	N71-23798* #	c 15	NASA-CASE-XMF-02330 US-PATENT-APPL-SN-608944 US-PATENT-CLASS-219-130 US-PATENT-3,469,069
N71-23256*	c 15	NASA-CASE-XMF-03290 US-PATENT-APPL-SN-479353 US-PATENT-CLASS-53-22 US-PATENT-3,415,032	N71-23525*	c 09	NASA-CASE-XGS-02317 US-PATENT-APPL-SN-576183 US-PATENT-CLASS-328-61 US-PATENT-3,464,018	N71-23809*	c 15	NASA-CASE-XAC-10019 US-PATENT-APPL-SN-666209 US-PATENT-CLASS-74-89.18 US-PATENT-3,472,086
N71-23267*	c 14	NASA-CASE-XLE-04026 US-PATENT-APPL-SN-617770 US-PATENT-CLASS-13-26 US-PATENT-3,470,304	N71-23527*	c 06	NASA-CASE-XLE-01997 US-PATENT-APPL-SN-427990 US-PATENT-CLASS-23-230 US-PATENT-3,472,625	N71-23810*	c 15	NASA-CASE-XLE-05033 US-PATENT-APPL-SN-510474 US-PATENT-CLASS-252-12 US-PATENT-3,466,243
N71-23268*	c 14	NASA-CASE-XLA-01907 US-PATENT-APPL-SN-335441 US-PATENT-CLASS-356-72	N71-23543*	c 10	NASA-CASE-XMS-00913 US-PATENT-APPL-SN-416945 US-PATENT-CLASS-317-31	N71-23811*	c 15	NASA-CASE-XNP-05297 US-PATENT-APPL-SN-640458 US-PATENT-CLASS-72-354

N71-23812*	c 15	US-PATENT-3,443,412	N71-24232*	c 14	US-PATENT-3,434,855	N71-24623*	c 05	US-PATENT-CLASS-324-77		
		NASA-CASE-XMF-07808			NASA-CASE-XAC-04458			US-PATENT-3,548,107		
		US-PATENT-APPL-SN-684178			US-PATENT-APPL-SN-534975			NASA-CASE-XMS-09635		
N71-23815*	c 15	US-PATENT-CLASS-308-2	N71-24233*	c 14	US-PATENT-CLASS-73-400	N71-24624*	c 07	US-PATENT-APPL-SN-586329		
		US-PATENT-3,463,563			US-PATENT-3,392,586			US-PATENT-CLASS-2-2.1		
		NASA-CASE-XMF-07069			NASA-CASE-XGS-04478			US-PATENT-3,516,091		
N71-23816*	c 15	US-PATENT-APPL-SN-672382	N71-24234*	c 14	US-PATENT-APPL-SN-566717	N71-24625*	c 07	US-PATENT-APPL-SN-754055		
		US-PATENT-CLASS-219-125			US-PATENT-CLASS-73-88.5			US-PATENT-CLASS-340-172.5		
		US-PATENT-3,469,068			US-PATENT-3,460,378			US-PATENT-3,546,684		
N71-23817*	c 15	NASA-CASE-XLE-03803	N71-24276*	c 33	NASA-CASE-XMF-10968	N71-24633*	c 08	NASA-CASE-XMS-09610		
		US-PATENT-APPL-SN-505765			US-PATENT-APPL-SN-644447			US-PATENT-APPL-SN-766170		
		US-PATENT-CLASS-220-9			US-PATENT-CLASS-73-15.6			US-PATENT-CLASS-343-113		
N71-23828*	c 17	US-PATENT-3,392,865	N71-24285*	c 32	US-PATENT-3,469,437	N71-24650*	c 08	US-PATENT-CLASS-343-113		
		NASA-CASE-XLE-06773			NASA-CASE-XLA-02059			US-PATENT-3,540,054		
		US-PATENT-APPL-SN-646124			US-PATENT-APPL-SN-576182			NASA-CASE-NPO-10567		
N71-23912*	c 31	US-PATENT-CLASS-72-467	N71-24315*	c 31	US-PATENT-CLASS-165-12	N71-24679*	c 15	US-PATENT-APPL-SN-679055		
		US-PATENT-3,469,436			US-PATENT-3,406,742			US-PATENT-CLASS-235-153		
		NASA-CASE-XMF-02303			NASA-CASE-XMF-02392			US-PATENT-3,517,171		
N71-23968*	c 28	US-PATENT-APPL-SN-453229	N71-24321*	c 28	US-PATENT-APPL-SN-596735	N71-24681*	c 03	NASA-CASE-NPO-10150		
		US-PATENT-CLASS-148-6.20			US-PATENT-CLASS-73-49.2			US-PATENT-APPL-SN-660843		
		US-PATENT-3,416,975			US-PATENT-3,399,574			US-PATENT-CLASS-340-347		
N71-23971*	c 32	NASA-CASE-XMF-05941	N71-24583*	c 07	US-PATENT-CLASS-244-1	N71-24692*	c 12	US-PATENT-3,537,103		
		US-PATENT-APPL-SN-653277			NASA-CASE-XLA-04901			NASA-CASE-XNP-10475		
		US-PATENT-CLASS-244-1			US-PATENT-APPL-SN-586325			US-PATENT-APPL-SN-763868		
N71-23976*	c 23	US-PATENT-3,443,773	N71-24595*	c 09	US-PATENT-3,405,887	N71-24693*	c 14	US-PATENT-CLASS-72-369		
		NASA-CASE-XLE-04857			NASA-CASE-XNP-03692			US-PATENT-3,546,917		
		US-PATENT-APPL-SN-621742			US-PATENT-APPL-SN-640787			NASA-CASE-XLE-08569-2		
N71-24035*	c 31	US-PATENT-CLASS-239-127.1	N71-24596*	c 09	US-PATENT-CLASS-60-263	N71-24694*	c 15	US-PATENT-APPL-SN-829825		
		US-PATENT-3,460,759			US-PATENT-CLASS-60-263			US-PATENT-CLASS-29-572		
		NASA-CASE-XAC-05632			US-PATENT-3,443,384			US-PATENT-3,541,679		
N71-24042*	c 15	US-PATENT-APPL-SN-568355	N71-24597*	c 09	US-PATENT-CLASS-343-140	N71-24695*	c 15	NASA-CASE-XFR-02007		
		US-PATENT-CLASS-244-77			US-PATENT-3,533,001			US-PATENT-APPL-SN-378080		
		US-PATENT-3,412,961			US-PATENT-3,533,001			US-PATENT-CLASS-73-389		
N71-24043*	c 15	NASA-CASE-XLA-01987	N71-24599*	c 15	NASA-CASE-GSC-10021-1	N71-24717*	c 09	US-PATENT-3,273,399		
		US-PATENT-APPL-SN-542713			US-PATENT-APPL-SN-790420			NASA-CASE-XMF-04415		
		US-PATENT-CLASS-346-107			US-PATENT-CLASS-343-7.5			US-PATENT-APPL-SN-644446		
N71-24044*	c 15	US-PATENT-3,392,403	N71-24600*	c 15	US-PATENT-3,540,045	N71-24718*	c 03	US-PATENT-CLASS-33-174		
		NASA-CASE-XLA-01027			NASA-CASE-XNP-01306-2			US-PATENT-3,360,864		
		US-PATENT-APPL-SN-494283			US-PATENT-APPL-SN-684083			NASA-CASE-GSC-10306-1		
N71-24045*	c 15	US-PATENT-CLASS-52-272	N71-24606*	c 15	US-PATENT-CLASS-328-133	N71-24719*	c 03	US-PATENT-APPL-SN-789278		
		US-PATENT-3,416,274			US-PATENT-3,509,475			US-PATENT-CLASS-248-358		
		NASA-CASE-XNP-04731			NASA-CASE-ARC-10132-1			US-PATENT-3,537,672		
N71-24046*	c 15	US-PATENT-APPL-SN-534966	N71-24607*	c 06	US-PATENT-APPL-SN-759460	N71-24725*	c 23	NASA-CASE-XNP-06936		
		US-PATENT-CLASS-103-48			US-PATENT-CLASS-73-398			US-PATENT-APPL-SN-640786		
		US-PATENT-3,367,271			US-PATENT-3,545,275			US-PATENT-CLASS-318-382		
N71-24047*	c 15	NASA-CASE-XKS-03338	N71-24608*	c 05	US-PATENT-3,545,275	N71-24726*	c 23	US-PATENT-3,487,281		
		US-PATENT-APPL-SN-547072			NASA-CASE-MS-12052-1			NASA-CASE-NPO-10173		
		US-PATENT-CLASS-89-1.806			US-PATENT-APPL-SN-770371			US-PATENT-APPL-SN-796360		
N71-24048*	c 15	US-PATENT-3,415,156	N71-24609*	c 05	US-PATENT-CLASS-254-150	N71-24727*	c 23	US-PATENT-CLASS-310-101		
		NASA-CASE-XMF-06888			US-PATENT-CLASS-254-173			US-PATENT-3,535,570		
		US-PATENT-APPL-SN-591000			US-PATENT-CLASS-254-186			NASA-CASE-XMF-08804		
N71-24049*	c 15	US-PATENT-CLASS-62-40	N71-24610*	c 05	US-PATENT-3,545,725	N71-24728*	c 05	US-PATENT-APPL-SN-683606		
		US-PATENT-3,415,069			NASA-CASE-XGS-08718			US-PATENT-CLASS-324-181		
		NASA-CASE-XGS-04548			US-PATENT-APPL-SN-785611			US-PATENT-3,543,159		
N71-24050*	c 15	US-PATENT-APPL-SN-672383	N71-24611*	c 05	US-PATENT-CLASS-244-1	N71-24729*	c 05	US-PATENT-CLASS-204-305		
		US-PATENT-CLASS-74-100			US-PATENT-CLASS-244-150			US-PATENT-3,547,801		
		US-PATENT-3,460,397			US-PATENT-CLASS-74-2			NASA-CASE-MS-10960-1		
N71-24051*	c 15	US-PATENT-3,460,397	N71-24612*	c 05	US-PATENT-CLASS-89-1.5	N71-24730*	c 05	US-PATENT-APPL-SN-751198		
		NASA-CASE-XLE-10337			US-PATENT-CLASS-9-9			US-PATENT-CLASS-204-305		
		US-PATENT-APPL-SN-594633			US-PATENT-3,540,676			US-PATENT-3,547,801		
N71-24052*	c 15	US-PATENT-CLASS-252-26	N71-24613*	c 05	US-PATENT-3,540,676	N71-24731*	c 03	NASA-CASE-GSC-10487-1		
		US-PATENT-3,391,080			NASA-CASE-XNP-04758			US-PATENT-APPL-SN-828983		
		NASA-CASE-XGS-03120			US-PATENT-APPL-SN-557861			US-PATENT-CLASS-320-39		
N71-24053*	c 15	US-PATENT-APPL-SN-485958	N71-24614*	c 05	US-PATENT-CLASS-320-17	N71-24732*	c 23	US-PATENT-3,541,422		
		US-PATENT-CLASS-156-3			US-PATENT-3,413,536			NASA-CASE-GSC-10188-1		
		US-PATENT-3,470,043			US-PATENT-APPL-SN-691909			US-PATENT-CLASS-62-384		
N71-24054*	c 16	NASA-CASE-XLA-03375	N71-24615*	c 06	US-PATENT-CLASS-35-17	N71-24733*	c 05	US-PATENT-3,545,226		
		US-PATENT-APPL-SN-512562			US-PATENT-3,508,347			NASA-CASE-MS-12243-1		
		US-PATENT-CLASS-356-104			US-PATENT-CLASS-73-17			US-PATENT-APPL-SN-857445		
N71-24055*	c 17	US-PATENT-3,446,558	N71-24616*	c 06	US-PATENT-CLASS-73-17	N71-24734*	c 05	US-PATENT-CLASS-244-1		
		NASA-CASE-XLE-06969			US-PATENT-3,546,920			US-PATENT-3,537,668		
		US-PATENT-APPL-SN-655675			NASA-CASE-XMF-06092			NASA-CASE-MS-13282-1		
N71-24056*	c 17	US-PATENT-CLASS-148-126	N71-24617*	c 07	US-PATENT-APPL-SN-550088	N71-24735*	c 05	US-PATENT-APPL-SN-8498		
		US-PATENT-3,463,679			US-PATENT-CLASS-178-7.1			US-PATENT-CLASS-128-2.1		
		NASA-CASE-XLE-03432			US-PATENT-CLASS-178-7.1			US-PATENT-3,548,812		
N71-24057*	c 33	US-PATENT-APPL-SN-559349	N71-24618*	c 07	US-PATENT-3,470,318	N71-24736*	c 05	NASA-CASE-XMS-09637-1		
		US-PATENT-CLASS-13-35			US-PATENT-APPL-SN-783375			US-PATENT-APPL-SN-785710		
		US-PATENT-3,409,730			US-PATENT-CLASS-179-15			US-PATENT-CLASS-2-2.1		
N71-24058*	c 05	NASA-CASE-XMS-10269	N71-24619*	c 07	US-PATENT-CLASS-325-325	N71-24737*	c 28	US-PATENT-3,537,107		
		US-PATENT-APPL-SN-590158			US-PATENT-3,551,816			NASA-CASE-XLE-03157		
		US-PATENT-CLASS-165-46			NASA-CASE-XKS-09340			US-PATENT-APPL-SN-591014		
N71-24059*	c 15	US-PATENT-3,425,486	N71-24620*	c 07	US-PATENT-APPL-SN-666555	N71-24738*	c 05	US-PATENT-CLASS-60-240		
		NASA-CASE-XLA-01494			US-PATENT-CLASS-343-703			US-PATENT-3,408,816		
		US-PATENT-APPL-SN-499122			US-PATENT-3,540,056			NASA-CASE-ARC-10100-1		
N71-24060*	c 15	US-PATENT-CLASS-156-545	N71-24621*	c 09	NASA-CASE-FRC-10029	N71-24739*	c 06	US-PATENT-APPL-SN-797058		
		US-PATENT-3,416,988			US-PATENT-APPL-SN-760389			US-PATENT-CLASS-128-24		
		NASA-CASE-XLA-04295			US-PATENT-CLASS-128-2.06			US-PATENT-3,550,585		
N71-24061*	c 16	US-PATENT-APPL-SN-546149	N71-24622*	c 07	US-PATENT-3,547,105	N71-24740*	c 06	NASA-CASE-ARC-10098-1		
		US-PATENT-CLASS-356-107			NASA-CASE-GSC-10118-1			US-PATENT-APPL-SN-702967		
		US-PATENT-3,468,609			US-PATENT-APPL-SN-783375			US-PATENT-CLASS-260-2.5		
N71-24062*	c 18	NASA-CASE-XGS-04799	N71-24623*	c 07	US-PATENT-CLASS-179-15	N71-24741*	c 06	US-PATENT-3,549,564		
		US-PATENT-APPL-SN-452944			US-PATENT-CLASS-325-4			NASA-CASE-XMF-03074		
		US-PATENT-CLASS-106-84			US-PATENT-CLASS-343-100			US-PATENT-APPL-SN-593595		
N71-24063*	c 18	US-PATENT-3,416,939	N71-24624*	c 07	US-PATENT-3,546,386	N71-24742*	c 07	US-PATENT-CLASS-260-72.5		
		NASA-CASE-XNP-02139			NASA-CASE-NPO-10388			US-PATENT-3,516,971		
		US-PATENT-APPL-SN-430777			US-PATENT-APPL-SN-725432			NASA-CASE-NPO-10118		
N71-24064*	c 18	US-PATENT-CLASS-106-84	N71-24625*	c 07	US-PATENT-CLASS-179-15	N71-24743*	c 07	NASA-CASE-NPO-10118		

		US-PATENT-APPL-SN-704465				US-PATENT-APPL-SN-698630	N71-24910*	c 15	NASA-CASE-ERC-10045
		US-PATENT-CLASS-235-152				US-PATENT-CLASS-333-83			US-PATENT-APPL-SN-763685
		US-PATENT-3,541,314				US-PATENT-3,541,479			US-PATENT-CLASS-73-40.7
N71-24742*	c 07	NASA-CASE-NPO-10140	N71-24842*	c 09	NASA-CASE-MS-12209	US-PATENT-APPL-SN-881039	N71-24911*	c 17	NASA-CASE-XLE-04946
		US-PATENT-APPL-SN-691737			US-PATENT-CLASS-343-797	US-PATENT-3,546,705			US-PATENT-APPL-SN-605093
		US-PATENT-CLASS-187-7.1			NASA-CASE-XMF-06617	US-PATENT-APPL-SN-656993			US-PATENT-CLASS-118-308
N71-24750*	c 31	US-PATENT-3,541,250	N71-24843*	c 09	US-PATENT-CLASS-324-71	US-PATENT-3,541,439	N71-24934*	c 18	NASA-CASE-NPO-10051
		NASA-CASE-XGS-01654			US-PATENT-APPL-SN-701733	US-PATENT-CLASS-328-171			US-PATENT-APPL-SN-711898
		US-PATENT-APPL-SN-434148			US-PATENT-3,541,459	US-PATENT-CLASS-328-171			US-PATENT-CLASS-73-38
		US-PATENT-CLASS-102-50	N71-24844*	c 10	NASA-CASE-NPO-10169	US-PATENT-APPL-SN-701733	N71-24948*	c 21	NASA-CASE-ERC-10090
N71-24798*	c 10	US-PATENT-3,282,541			US-PATENT-CLASS-328-171	US-PATENT-3,541,459			US-PATENT-APPL-SN-811542
		NASA-CASE-XLE-03061-1			US-PATENT-3,541,459	US-PATENT-CLASS-328-171			US-PATENT-CLASS-343-112
		US-PATENT-APPL-SN-632152	N71-24857*	c 23	NASA-CASE-XMS-06056-1	US-PATENT-APPL-SN-532006	N71-24964*	c 11	US-PATENT-3,550,129
		US-PATENT-CLASS-340-412			US-PATENT-CLASS-350-189	US-PATENT-3,472,577			NASA-CASE-NPO-10141
N71-24799*	c 10	US-PATENT-3,546,694			US-PATENT-CLASS-350-189	US-PATENT-3,472,577			US-PATENT-APPL-SN-673227
		NASA-CASE-XNP-06505	N71-24858*	c 33	NASA-CASE-MFS-14253	US-PATENT-APPL-SN-709622	N71-24984*	c 15	US-PATENT-CLASS-62-55.5
		US-PATENT-APPL-SN-562933			US-PATENT-CLASS-161-69	US-PATENT-3,551,266			US-PATENT-3,443,390
		US-PATENT-CLASS-307-254			US-PATENT-3,551,266	NASA-CASE-XMF-05195			US-PATENT-APPL-SN-827579
N71-24800*	c 09	US-PATENT-3,501,688	N71-24861*	c 10	NASA-CASE-XMF-05195	US-PATENT-APPL-SN-785595			US-PATENT-CLASS-74-468
		NASA-CASE-ERC-10075			US-PATENT-CLASS-318-599	US-PATENT-3,523,228	N71-24985*	c 11	NASA-CASE-KSC-10126
		US-PATENT-APPL-SN-775870			US-PATENT-CLASS-318-599	NASA-CASE-FRC-10010			US-PATENT-APPL-SN-845973
		US-PATENT-CLASS-321-45			US-PATENT-3,523,228	US-PATENT-APPL-SN-771937			US-PATENT-CLASS-73-15
N71-24803*	c 09	US-PATENT-3,539,905			US-PATENT-CLASS-307-235	US-PATENT-3,543,050	N71-25139*	c 10	US-PATENT-3,545,252
		NASA-CASE-NPO-10242	N71-24862*	c 10	US-PATENT-CLASS-307-235	NASA-CASE-XMF-02966			US-PATENT-APPL-SN-700541
		US-PATENT-APPL-SN-749181			US-PATENT-APPL-SN-560968	US-PATENT-CLASS-324-70	N71-25213*	c 28	US-PATENT-3,487,288
		US-PATENT-CLASS-307-88			US-PATENT-CLASS-324-70	US-PATENT-3,406,336			NASA-CASE-GSC-10709-1
N71-24804*	c 09	US-PATENT-3,541,346			US-PATENT-3,406,336	NASA-CASE-XLE-04503			US-PATENT-APPL-SN-791288
		NASA-CASE-GSC-10299-1			US-PATENT-APPL-SN-606463	US-PATENT-CLASS-250-225	N71-25351*	c 33	US-PATENT-CLASS-60-202
		US-PATENT-APPL-SN-836367			US-PATENT-CLASS-250-225	US-PATENT-3,540,250			US-PATENT-3,545,208
		US-PATENT-CLASS-343-100	N71-24863*	c 10	US-PATENT-3,540,250	NASA-CASE-ERC-10001			NASA-CASE-MFS-14023
		US-PATENT-3,540,050			US-PATENT-APPL-SN-712099	US-PATENT-CLASS-350-310	N71-25353*	c 33	US-PATENT-APPL-SN-795217
N71-24805*	c 09	NASA-CASE-XMF-06892			US-PATENT-3,540,802	US-PATENT-CLASS-165-2			US-PATENT-CLASS-161-161
		US-PATENT-APPL-SN-757875			NASA-CASE-XLA-06199	US-PATENT-3,270,802			US-PATENT-CLASS-220-9
		US-PATENT-CLASS-318-318			US-PATENT-APPL-SN-702911	US-PATENT-CLASS-148-6.11			US-PATENT-CLASS-52-249
N71-24806*	c 09	US-PATENT-3,546,553			US-PATENT-CLASS-148-6.11	US-PATENT-3,540,942			US-PATENT-CLASS-165-133
		NASA-CASE-NPO-10198	N71-24864*	c 14	US-PATENT-3,540,942	NASA-CASE-XNP-05524			US-PATENT-CLASS-219-378
		US-PATENT-APPL-SN-723804			US-PATENT-APPL-SN-250567	US-PATENT-CLASS-165-2	N71-25360*	c 32	US-PATENT-CLASS-219-530
		US-PATENT-CLASS-328-165			US-PATENT-CLASS-165-2	US-PATENT-3,270,802			US-PATENT-CLASS-244-1
N71-24807*	c 09	US-PATENT-3,550,023			US-PATENT-CLASS-165-2	US-PATENT-3,270,802			US-PATENT-CLASS-244-138
		NASA-CASE-MFS-14114-2	N71-24865*	c 15	US-PATENT-APPL-SN-712099	US-PATENT-CLASS-235-155	N71-25434*	c 31	NASA-CASE-MS-13047-1
		US-PATENT-APPL-SN-854815			US-PATENT-CLASS-350-310	US-PATENT-3,535,497			US-PATENT-APPL-SN-850586
		US-PATENT-CLASS-165-105			US-PATENT-3,540,802	NASA-CASE-XNP-09759			US-PATENT-CLASS-244-1
		US-PATENT-CLASS-165-107			NASA-CASE-XLA-06199	US-PATENT-APPL-SN-606462			US-PATENT-CLASS-244-113
		US-PATENT-CLASS-165-138			US-PATENT-CLASS-148-6.11	US-PATENT-CLASS-235-92			US-PATENT-CLASS-244-138
N71-24808*	c 09	US-PATENT-3,537,515			US-PATENT-3,540,942	US-PATENT-3,541,312	N71-25490*	c 26	US-PATENT-3,547,376
		NASA-CASE-XNP-08880	N71-24866*	c 23	US-PATENT-APPL-SN-712099	NASA-CASE-NPO-10716			NASA-CASE-ERC-10088
		US-PATENT-APPL-SN-605094			US-PATENT-CLASS-350-310	US-PATENT-APPL-SN-851394			US-PATENT-APPL-SN-760927
		US-PATENT-CLASS-333-98			US-PATENT-CLASS-165-2	US-PATENT-CLASS-307-104			US-PATENT-CLASS-73-141
N71-24809*	c 14	US-PATENT-3,416,106			US-PATENT-3,270,802	US-PATENT-CLASS-317-123	N71-25555*	c 24	US-PATENT-3,537,305
		NASA-CASE-XNP-08961			US-PATENT-CLASS-148-6.11	US-PATENT-3,549,955			NASA-CASE-XNP-09469
		US-PATENT-APPL-SN-661170	N71-24867*	c 33	US-PATENT-3,540,942	NASA-CASE-ERC-10125			US-PATENT-APPL-SN-645573
		US-PATENT-CLASS-250-84			US-PATENT-APPL-SN-250567	US-PATENT-APPL-SN-773029			US-PATENT-CLASS-204-168
N71-24813*	c 31	US-PATENT-3,487,216			US-PATENT-CLASS-165-2	US-PATENT-CLASS-323-56	N71-25865*	c 10	US-PATENT-3,540,989
		NASA-CASE-XAC-06029-1			US-PATENT-3,270,802	US-PATENT-3,541,428			US-PATENT-CLASS-178-69.5
		US-PATENT-APPL-SN-588651	N71-24890*	c 08	NASA-CASE-XKS-06167	NASA-CASE-XLA-07473			US-PATENT-3,567,861
		US-PATENT-CLASS-343-100			US-PATENT-APPL-SN-649076	US-PATENT-APPL-SN-839935	N71-25866*	c 09	NASA-CASE-ARC-10003-1
N71-24828*	c 16	US-PATENT-3,540,048			US-PATENT-CLASS-235-155	US-PATENT-CLASS-318-265			US-PATENT-APPL-SN-717822
		NASA-CASE-XAC-10770-1			US-PATENT-3,535,497	US-PATENT-3,546,552			US-PATENT-CLASS-178-66
		US-PATENT-APPL-SN-690997	N71-24891*	c 08	NASA-CASE-XNP-09759	NASA-CASE-ERC-10034			US-PATENT-CLASS-179-100.2
		US-PATENT-CLASS-356-28			US-PATENT-APPL-SN-606462	US-PATENT-APPL-SN-763706			US-PATENT-3,549,799
N71-24830*	c 17	US-PATENT-3,547,540			US-PATENT-CLASS-235-92	US-PATENT-CLASS-250-43.5	N71-25881*	c 18	NASA-CASE-XGS-05180
		NASA-CASE-XNP-04148			US-PATENT-3,541,312	US-PATENT-3,549,882			US-PATENT-APPL-SN-721607
		US-PATENT-APPL-SN-536210	N71-24892*	c 09	NASA-CASE-NPO-10716	NASA-CASE-XLA-03538			US-PATENT-CLASS-260-37
		US-PATENT-CLASS-204-38			US-PATENT-APPL-SN-851394	US-PATENT-APPL-SN-749149	N71-25882*	c 10	US-PATENT-3,567,677
N71-24831*	c 16	US-PATENT-3,472,742			US-PATENT-CLASS-307-104	US-PATENT-CLASS-294-83			NASA-CASE-GSC-10022-1
		NASA-CASE-NPO-10548			US-PATENT-CLASS-317-123	US-PATENT-3,508,779			US-PATENT-APPL-SN-785546
		US-PATENT-APPL-SN-775072			US-PATENT-CLASS-317-148.5	US-PATENT-CLASS-285-317			US-PATENT-CLASS-331-113
		US-PATENT-CLASS-330-4			US-PATENT-3,549,955	US-PATENT-CLASS-285-38			US-PATENT-3,559,096
N71-24832*	c 16	US-PATENT-3,486,123	N71-24893*	c 09	NASA-CASE-ERC-10125	US-PATENT-CLASS-285-406	N71-25892*	c 14	NASA-CASE-XLA-04555-1
		NASA-CASE-ERC-10178			US-PATENT-APPL-SN-773029	US-PATENT-3,545,792			US-PATENT-APPL-SN-594584
		US-PATENT-APPL-SN-800973			US-PATENT-CLASS-323-56	NASA-CASE-MFS-20395			US-PATENT-CLASS-148-13
		US-PATENT-CLASS-331-94.5			US-PATENT-3,541,428	US-PATENT-APPL-SN-830715	N71-25899*	c 10	US-PATENT-3,468,727
N71-24833*	c 15	US-PATENT-3,550,034			NASA-CASE-XLA-07473	US-PATENT-CLASS-285-314			NASA-CASE-LEW-10345-1
		NASA-CASE-XMF-03793	N71-24895*	c 15	US-PATENT-APPL-SN-839935	US-PATENT-CLASS-285-317			US-PATENT-APPL-SN-805298
		US-PATENT-APPL-SN-453225			US-PATENT-CLASS-318-265	US-PATENT-CLASS-285-38			US-PATENT-CLASS-137-81.5
		US-PATENT-CLASS-72-56			US-PATENT-3,546,552	US-PATENT-CLASS-285-406			US-PATENT-CLASS-235-201
N71-24834*	c 15	US-PATENT-3,360,972			NASA-CASE-ERC-10034	US-PATENT-3,545,792			
		NASA-CASE-XNP-05634	N71-24896*	c 15	US-PATENT-APPL-SN-763706	NASA-CASE-MFS-20395			
		US-PATENT-APPL-SN-605096			US-PATENT-CLASS-250-43.5	US-PATENT-APPL-SN-830715			
		US-PATENT-CLASS-73-95			US-PATENT-3,549,882	US-PATENT-CLASS-285-317			
N71-24835*	c 15	US-PATENT-3,460,379			NASA-CASE-XLA-03538	US-PATENT-CLASS-285-38			
		NASA-CASE-NPO-10123			US-PATENT-APPL-SN-749149	US-PATENT-CLASS-285-406			
		US-PATENT-APPL-SN-731388			US-PATENT-CLASS-294-83	US-PATENT-3,545,792			
		US-PATENT-CLASS-128-272			US-PATENT-3,508,779	NASA-CASE-MFS-20395			
		US-PATENT-CLASS-128-275	N71-24903*	c 15	NASA-CASE-MFS-20395	US-PATENT-APPL-SN-830715			
N71-24836*	c 15	US-PATENT-3,540,449			US-PATENT-APPL-SN-830715	US-PATENT-CLASS-285-314			
		NASA-CASE-XLE-08917-2			US-PATENT-CLASS-285-314	US-PATENT-CLASS-285-317			
		US-PATENT-APPL-SN-852131			US-PATENT-CLASS-285-317	US-PATENT-CLASS-285-38			
		US-PATENT-CLASS-72-60			US-PATENT-CLASS-285-38	US-PATENT-CLASS-285-406			
N71-24840*	c 07	US-PATENT-3,541,825			US-PATENT-CLASS-285-406	US-PATENT-3,545,792			
		NASA-CASE-NPO-10649	N71-24904*	c 09	US-PATENT-3,545,792	NASA-CASE-MFS-20395			
		US-PATENT-APPL-SN-795182			US-PATENT-APPL-SN-853716	US-PATENT-CLASS-310-10			
		US-PATENT-CLASS-325-113			US-PATENT-CLASS-310-10	US-PATENT-3,541,361			
N71-24841*	c 09	US-PATENT-3,541,450			US-PATENT-CLASS-310-10				
		NASA-CASE-XNP-09771			US-PATENT-3,541,361				

N71-25900*	c 10	US-PATENT-3,568,702	N71-26136*	c 14	US-PATENT-3,564,401	N71-26293*	c 05	US-PATENT-APPL-SN-719870
		NASA-CASE-ERC-10032			NASA-CASE-XLA-01782			US-PATENT-CLASS-325-67
		US-PATENT-APPL-SN-757857			US-PATENT-APPL-SN-576792			US-PATENT-3,553,586
		US-PATENT-CLASS-333-30			US-PATENT-CLASS-73-15.6			NASA-CASE-XFR-07658-1
N71-25901*	c 14	US-PATENT-CLASS-333-72	N71-26137*	c 14	US-PATENT-3,472,060	N71-26294*	c 15	US-PATENT-APPL-SN-586324
		US-PATENT-3,568,103			NASA-CASE-LAR-10305			US-PATENT-CLASS-128-2.06
		NASA-CASE-XLA-02810			US-PATENT-APPL-SN-811037			US-PATENT-3,426,746
		US-PATENT-APPL-SN-764252			US-PATENT-CLASS-324-0.5			NASA-CASE-XNP-02862-1
N71-25903*	c 17	US-PATENT-CLASS-250-43.5	N71-26142*	c 10	US-PATENT-CLASS-324-58.5	N71-26312*	c 15	US-PATENT-APPL-SN-556830
		US-PATENT-CLASS-250-83.3			US-PATENT-3,562,631			US-PATENT-CLASS-277-13
		US-PATENT-CLASS-340-233			NASA-CASE-NPO-10302			US-PATENT-3,468,548
		US-PATENT-CLASS-340-285			US-PATENT-APPL-SN-848811			NASA-CASE-XNP-01263-2
N71-25909*	c 17	US-PATENT-3,569,710	N71-26145*	c 15	US-PATENT-CLASS-343-768	N71-26326*	c 10	US-PATENT-APPL-SN-718279
		NASA-CASE-XLA-08966-1			US-PATENT-3,553,704			US-PATENT-CLASS-287-189.365
		US-PATENT-APPL-SN-570678			NASA-CASE-FRC-10005			US-PATENT-3,481,638
		US-PATENT-CLASS-204-33			US-PATENT-APPL-SN-756266			NASA-CASE-NPO-10143
N71-25914*	c 16	US-PATENT-3,468,765	N71-26148*	c 15	US-PATENT-CLASS-33-189	N71-26333*	c 10	US-PATENT-APPL-SN-692331
		NASA-CASE-XLA-03410			US-PATENT-3,562,919			US-PATENT-CLASS-58-24
		US-PATENT-APPL-SN-512561			NASA-CASE-XMF-05114-2			US-PATENT-3,472,019
		US-PATENT-CLASS-250-199			US-PATENT-APPL-SN-837377			NASA-CASE-XNP-10854
N71-25917*	c 10	US-PATENT-3,469,087	N71-26153*	c 18	US-PATENT-CLASS-72-56	N71-26334*	c 05	US-PATENT-APPL-SN-668248
		NASA-CASE-NPO-10595			US-PATENT-3,555,867			US-PATENT-CLASS-330-31
		US-PATENT-APPL-SN-771760			NASA-CASE-XLE-03940			US-PATENT-3,482,179
		US-PATENT-CLASS-340-347			US-PATENT-APPL-SN-539255			NASA-CASE-XMS-09652-1
N71-25929*	c 06	US-PATENT-3,569,956	N71-26154*	c 16	US-PATENT-CLASS-148-126	N71-26339*	c 10	US-PATENT-APPL-SN-618969
		NASA-CASE-NPO-10596			US-PATENT-3,472,709			US-PATENT-CLASS-2-6
		US-PATENT-APPL-SN-756381			NASA-CASE-ERC-10020			US-PATENT-3,473,165
		US-PATENT-CLASS-260-2.5			US-PATENT-APPL-SN-709399			NASA-CASE-XLA-02619
N71-25950*	c 10	US-PATENT-3,557,027	N71-26155*	c 18	US-PATENT-CLASS-350-3.5	N71-26346*	c 15	US-PATENT-APPL-SN-796691
		NASA-CASE-XGS-06226			US-PATENT-3,540,790			US-PATENT-CLASS-317-DIG.3
		US-PATENT-APPL-SN-676387			NASA-CASE-LAR-10373-1			US-PATENT-CLASS-317-153
		US-PATENT-CLASS-331-113			US-PATENT-APPL-SN-761007			US-PATENT-CLASS-340-235
N71-25975*	c 15	US-PATENT-3,466,570	N71-26161*	c 14	US-PATENT-CLASS-260-2.5	N71-26374*	c 10	US-PATENT-CLASS-331-18
		NASA-CASE-XMS-10660-1			US-PATENT-3,481,887			US-PATENT-3,575,641
		US-PATENT-APPL-SN-797056			NASA-CASE-XLA-08254			NASA-CASE-NPO-10185
		US-PATENT-CLASS-24-205.17			US-PATENT-APPL-SN-867843			US-PATENT-APPL-SN-723805
N71-25999*	c 09	US-PATENT-3,469,289	N71-26162*	c 15	US-PATENT-CLASS-73-12	N71-26387*	c 12	US-PATENT-CLASS-73-432
		NASA-CASE-XGS-05290			US-PATENT-CLASS-73-79			US-PATENT-3,472,080
		US-PATENT-APPL-SN-754019			US-PATENT-3,576,127			NASA-CASE-XLE-05641-1
		US-PATENT-CLASS-310-168			NASA-CASE-MSC-15474-1			US-PATENT-APPL-SN-605091
N71-26000*	c 09	US-PATENT-CLASS-310-254	N71-26173*	c 28	US-PATENT-CLASS-24-263	N71-26414*	c 10	US-PATENT-CLASS-72-61
		US-PATENT-CLASS-318-138			US-PATENT-3,564,564			US-PATENT-3,461,700
		US-PATENT-CLASS-318-254			NASA-CASE-LEW-10689-1			NASA-CASE-GSC-11367
		US-PATENT-3,569,804			US-PATENT-APPL-SN-830978			US-PATENT-APPL-SN-675238
N71-26002*	c 09	US-PATENT-APPL-SN-640783	N71-26181*	c 07	US-PATENT-CLASS-60-202	N71-26415*	c 10	US-PATENT-CLASS-331-18
		US-PATENT-CLASS-307-88			US-PATENT-3,552,125			US-PATENT-3,484,712
		US-PATENT-3,466,459			NASA-CASE-MSC-12223-1			NASA-CASE-XLA-05541
		NASA-CASE-XMS-04213-1			US-PATENT-APPL-SN-839941			US-PATENT-APPL-SN-700986
N71-26084*	c 03	US-PATENT-APPL-SN-607484	N71-26182*	c 09	US-PATENT-CLASS-179-1	N71-26418*	c 10	US-PATENT-CLASS-73-301
		US-PATENT-CLASS-128-2.1			US-PATENT-3,555,192			US-PATENT-3,473,379
		US-PATENT-3,468,303			NASA-CASE-NPO-10625			NASA-CASE-XMF-04958-1
		NASA-CASE-LEW-11358			US-PATENT-APPL-SN-856415			US-PATENT-APPL-SN-448365
N71-26085*	c 10	US-PATENT-APPL-SN-787906	N71-26189*	c 15	US-PATENT-CLASS-313-236	N71-26434*	c 10	US-PATENT-CLASS-321-69
		US-PATENT-CLASS-136-6			US-PATENT-CLASS-313-237			US-PATENT-3,434,037
		US-PATENT-3,554,806			US-PATENT-CLASS-60-23			NASA-CASE-NPO-10003
		NASA-CASE-GSC-10735-1			US-PATENT-3,562,575			US-PATENT-APPL-SN-638192
N71-26092*	c 09	US-PATENT-APPL-SN-863963	N71-26199*	c 14	US-PATENT-CLASS-310-168	N71-26474*	c 14	US-PATENT-CLASS-330-13
		US-PATENT-CLASS-321-2			US-PATENT-APPL-SN-774266			NASA-CASE-XGS-04224
		US-PATENT-3,559,031			US-PATENT-CLASS-55-75			US-PATENT-APPL-SN-568364
		NASA-CASE-XNP-07477			US-PATENT-3,557,534			US-PATENT-CLASS-340-174
N71-26100*	c 18	US-PATENT-APPL-SN-605098	N71-26206*	c 23	US-PATENT-CLASS-356-76	N71-26475*	c 14	US-PATENT-3,461,393
		US-PATENT-CLASS-318-258			US-PATENT-3,554,647			US-PATENT-APPL-SN-584015
		US-PATENT-3,501,684			NASA-CASE-XLE-09527-2			US-PATENT-CLASS-250-83.3
		NASA-CASE-XLA-04251			US-PATENT-APPL-SN-840870			US-PATENT-3,461,290
N71-26101*	c 07	US-PATENT-CLASS-308-187	N71-26243*	c 15	US-PATENT-3,561,828	N71-26531*	c 10	US-PATENT-APPL-SN-487940
		US-PATENT-APPL-SN-657742			NASA-CASE-NPO-10691			US-PATENT-CLASS-340-174
		US-PATENT-CLASS-117-104			US-PATENT-APPL-SN-816988			US-PATENT-3,461,437
		US-PATENT-3,553,002			US-PATENT-CLASS-73-61			NASA-CASE-XMF-03844-1
N71-26102*	c 07	NASA-CASE-NPO-10231	N71-26266*	c 14	US-PATENT-3,566,676	N71-26537*	c 31	US-PATENT-APPL-SN-601229
		US-PATENT-APPL-SN-701767			NASA-CASE-XGS-08269			US-PATENT-CLASS-95-44
		US-PATENT-CLASS-343-786			US-PATENT-APPL-SN-787393			US-PATENT-CLASS-317-20
		US-PATENT-3,534,376			US-PATENT-CLASS-356-76			US-PATENT-CLASS-317-33
N71-26103*	c 10	US-PATENT-3,554,647	N71-26285*	c 18	US-PATENT-3,474,328	N71-26544*	c 10	US-PATENT-3,555,361
		NASA-CASE-XNP-06611			NASA-CASE-MSC-12109			NASA-CASE-GSC-10413
		US-PATENT-APPL-SN-593607			US-PATENT-APPL-SN-889376			US-PATENT-APPL-SN-789043
		US-PATENT-CLASS-178-6.6			US-PATENT-CLASS-112-402			US-PATENT-CLASS-317-20
N71-26109*	c 10	US-PATENT-3,474,192	N71-26312*	c 10	US-PATENT-CLASS-188-1	N71-26546*	c 12	US-PATENT-CLASS-317-33
		NASA-CASE-XNP-04623			US-PATENT-3,420,338			US-PATENT-3,554,466
		US-PATENT-APPL-SN-510150			NASA-CASE-XMS-06497			NASA-CASE-NPO-10344
		US-PATENT-CLASS-340-146.1			US-PATENT-APPL-SN-617778			US-PATENT-APPL-SN-732921
N71-26110*	c 02	US-PATENT-CLASS-324-115	N71-26313*	c 09	US-PATENT-CLASS-324-0.5	N71-26577*	c 10	US-PATENT-CLASS-340-347
		US-PATENT-3,474,413			US-PATENT-3,464,012			US-PATENT-3,566,396
		NASA-CASE-LAR-10249-1			NASA-CASE-XNP-09830			NASA-CASE-FRC-10022
		US-PATENT-APPL-SN-835060			US-PATENT-APPL-SN-632165			US-PATENT-APPL-SN-763729
N71-26133*	c 09	US-PATENT-CLASS-244-42	N71-26314*	c 10	US-PATENT-CLASS-324-0.5	N71-26577*	c 10	US-PATENT-CLASS-73-194
		US-PATENT-3,576,301			US-PATENT-CLASS-324-0.5			US-PATENT-3,555,898
		NASA-CASE-XKS-07953			US-PATENT-3,474,328			NASA-CASE-NPO-10214
		US-PATENT-APPL-SN-725405			NASA-CASE-MSC-12109			US-PATENT-APPL-SN-704299
N71-26134*	c 15	US-PATENT-CLASS-51-170	N71-26315*	c 10	US-PATENT-APPL-SN-889376	N71-26577*	c 10	US-PATENT-CLASS-325-41
		US-PATENT-3,553,904			US-PATENT-CLASS-112-402			
		NASA-CASE-XAC-03740			US-PATENT-CLASS-2-275			
		US-PATENT-APPL-SN-480211			US-PATENT-CLASS-2-81			
N71-26135*	c 14	US-PATENT-CLASS-324-43	N71-26316*	c 10	US-PATENT-CLASS-112-402	N71-26577*	c 10	
					US-PATENT-CLASS-2-275			
					US-PATENT-CLASS-2-81			
					US-PATENT-CLASS-2-81			

N71-26579*	c 07	US-PATENT-3,566,268 NASA-CASE-XMS-06740-1 US-PATENT-APPL-SN-554277 US-PATENT-CLASS-178-6 US-PATENT-3,470,313	N71-26787*	c 09	US-PATENT-APPL-SN-804172 US-PATENT-CLASS-313-63 US-PATENT-CLASS-315-111 US-PATENT-CLASS-60-202 US-PATENT-3,576,107	N71-27094*	c 28	NASA-CASE-GSC-10710-1 US-PATENT-APPL-SN-828909 US-PATENT-CLASS-73-117.4 US-PATENT-3,572,104
N71-26611*	c 15	NASA-CASE-MSC-11817-1 US-PATENT-APPL-SN-7668 US-PATENT-CLASS-165-44 US-PATENT-CLASS-165-86 US-PATENT-CLASS-188-88 US-PATENT-CLASS-244-1 US-PATENT-CLASS-244-57 US-PATENT-3,563,307	N71-26788*	c 14	NASA-CASE-MFS-20240 US-PATENT-APPL-SN-825259 US-PATENT-CLASS-356-203 US-PATENT-3,563,668	N71-27095*	c 28	NASA-CASE-MFS-20325 US-PATENT-APPL-SN-840176 US-PATENT-CLASS-244-1 US-PATENT-3,572,610
N71-26626*	c 10	NASA-CASE-GSC-10891-1 US-PATENT-APPL-SN-568620 US-PATENT-CLASS-307-53 US-PATENT-3,480,789	N71-27001*	c 09	NASA-CASE-XGS-11177 US-PATENT-APPL-SN-828921 US-PATENT-CLASS-317-33 US-PATENT-CLASS-317-9 US-PATENT-3,571,656	N71-27126* #	c 10	NASA-CASE-LEW-10233 US-PATENT-APPL-SN-750787 US-PATENT-CLASS-307-253 US-PATENT-CLASS-307-300 US-PATENT-3,566,158
N71-26627*	c 14	NASA-CASE-MFS-14017 US-PATENT-APPL-SN-762956 US-PATENT-CLASS-248-183 US-PATENT-CLASS-308-9 US-PATENT-3,559,937	N71-27005*	c 14	NASA-CASE-MFS-20261 US-PATENT-APPL-SN-845990 US-PATENT-CLASS-1 US-PATENT-CLASS-141-258 US-PATENT-CLASS-222-137 US-PATENT-CLASS-222-49 US-PATENT-3,568,885	N71-27135*	c 15	NASA-CASE-HQN-10541-2 US-PATENT-APPL-SN-822088 US-PATENT-CLASS-219-121 US-PATENT-CLASS-331-94.5 US-PATENT-3,571,555
N71-26635*	c 15	NASA-CASE-ERC-10022 US-PATENT-APPL-SN-874733 US-PATENT-CLASS-74-424.8 US-PATENT-CLASS-74-89.15 US-PATENT-3,576,135	N71-27006*	c 15	NASA-CASE-LAR-10083-1 US-PATENT-APPL-SN-837825 US-PATENT-CLASS-73-147 US-PATENT-3,572,112	N71-27136*	c 10	NASA-CASE-GSC-10065-1 US-PATENT-APPL-SN-808462 US-PATENT-CLASS-318-571 US-PATENT-CLASS-318-653 US-PATENT-3,568,028
N71-26642*	c 28	NASA-CASE-LEW-10106-1 US-PATENT-APPL-SN-758390 US-PATENT-CLASS-60-202 US-PATENT-3,552,124	N71-27016*	c 09	NASA-CASE-GSC-11139 US-PATENT-APPL-SN-756511 US-PATENT-CLASS-307-234 US-PATENT-CLASS-307-246 US-PATENT-CLASS-307-273 US-PATENT-CLASS-328-120 US-PATENT-CLASS-330-30 US-PATENT-3,569,744	N71-27137*	c 10	NASA-CASE-XNP-06234 US-PATENT-APPL-SN-723827 US-PATENT-CLASS-235-92 US-PATENT-CLASS-328-49 US-PATENT-3,567,913
N71-26654*	c 23	NASA-CASE-NPO-10467 US-PATENT-APPL-SN-798277 US-PATENT-CLASS-62-514 US-PATENT-3,564,866	N71-27036*	c 11	NASA-CASE-XNP-09770-3 US-PATENT-APPL-SN-863967 US-PATENT-CLASS-74-18.2 US-PATENT-3,574,286	N71-27146*	c 15	NASA-CASE-LAR-10193-1 US-PATENT-APPL-SN-794968 US-PATENT-CLASS-188-1 US-PATENT-CLASS-188-103 US-PATENT-3,568,805
N71-26672*	c 14	NASA-CASE-ERC-10033 US-PATENT-APPL-SN-801660 US-PATENT-CLASS-73-49.3 US-PATENT-3,559,460	N71-27053*	c 09	NASA-CASE-ERC-10113 US-PATENT-APPL-SN-865811 US-PATENT-CLASS-323-48 US-PATENT-CLASS-323-60 US-PATENT-3,571,699	N71-27147*	c 15	NASA-CASE-MSC-12121-1 US-PATENT-APPL-SN-783374 US-PATENT-CLASS-91-390 US-PATENT-CLASS-91-461 US-PATENT-3,563,135
N71-26673*	c 15	NASA-CASE-XAC-09489-1 US-PATENT-APPL-SN-694246 US-PATENT-CLASS-356-154 US-PATENT-3,565,530	N71-27056*	c 07	NASA-CASE-MSC-12205-1 US-PATENT-APPL-SN-882577 US-PATENT-CLASS-325-16 US-PATENT-CLASS-325-23 US-PATENT-CLASS-325-369 US-PATENT-CLASS-343-100 US-PATENT-CLASS-343-117 US-PATENT-CLASS-343-176 US-PATENT-3,568,197	N71-27169*	c 15	NASA-CASE-LAR-10106-1 US-PATENT-APPL-SN-810575 US-PATENT-CLASS-188-1 US-PATENT-CLASS-310-51 US-PATENT-3,566,993
N71-26674*	c 19	NASA-CASE-XGS-04173 US-PATENT-APPL-SN-658964 US-PATENT-CLASS-350-285 US-PATENT-3,560,081	N71-27057*	c 08	NASA-CASE-XLA-07828 US-PATENT-APPL-SN-770209 US-PATENT-CLASS-318-20.105 US-PATENT-CLASS-325-151.11 US-PATENT-CLASS-340-347DA US-PATENT-3,573,797	N71-27170*	c 18	NASA-CASE-XMF-02221 US-PATENT-APPL-SN-430192 US-PATENT-CLASS-252-301.2 US-PATENT-3,567,651
N71-26678*	c 09	NASA-CASE-ERC-10013 US-PATENT-APPL-SN-802972 US-PATENT-CLASS-29-25.18 US-PATENT-3,562,881	N71-27058*	c 14	NASA-CASE-MSC-13276-1 US-PATENT-APPL-SN-880272 US-PATENT-CLASS-219-505 US-PATENT-3,575,585	N71-27183*	c 16	NASA-CASE-HQN-10541-4 US-PATENT-APPL-SN-822090 US-PATENT-CLASS-250-199 US-PATENT-3,575,602
N71-26681*	c 32	NASA-CASE-LAR-10098 US-PATENT-APPL-SN-677475 US-PATENT-CLASS-73-71.4 US-PATENT-3,564,906	N71-27067*	c 15	NASA-CASE-XKS-07614 US-PATENT-APPL-SN-672384 US-PATENT-CLASS-182-10 US-PATENT-CLASS-188-65.5 US-PATENT-3,568,795	N71-27184*	c 15	NASA-CASE-XNP-08124 US-PATENT-APPL-SN-697075 US-PATENT-CLASS-75-63 US-PATENT-3,563,727
N71-26701*	c 09	NASA-CASE-NPO-10331 US-PATENT-APPL-SN-757625 US-PATENT-CLASS-118-49.5 US-PATENT-CLASS-204-298 US-PATENT-3,556,048	N71-27068*	c 15	NASA-CASE-NPO-10796 US-PATENT-APPL-SN-815760 US-PATENT-CLASS-220-46 US-PATENT-3,568,874	N71-27185*	c 14	NASA-CASE-NPO-10556 US-PATENT-APPL-SN-796405 US-PATENT-CLASS-73-71.6 US-PATENT-3,572,089
N71-26721*	c 15	NASA-CASE-LAR-10121-1 US-PATENT-APPL-SN-766244 US-PATENT-CLASS-18-6 US-PATENT-3,562,857	N71-27084*	c 15	NASA-CASE-NPO-10755 US-PATENT-APPL-SN-816733 US-PATENT-CLASS-417-50 US-PATENT-3,567,339	N71-27186*	c 14	NASA-CASE-XMF-03968 US-PATENT-APPL-SN-719029 US-PATENT-CLASS-174-110.3 US-PATENT-CLASS-324-65 US-PATENT-CLASS-340-227 US-PATENT-CLASS-60-35.6 US-PATENT-3,569,828
N71-26722*	c 23	NASA-CASE-GSC-10216-1 US-PATENT-APPL-SN-756260 US-PATENT-CLASS-331-94.5 US-PATENT-3,555,455	N71-27088*	c 02	NASA-CASE-XLA-08967 US-PATENT-APPL-SN-837830 US-PATENT-CLASS-244-90 US-PATENT-3,570,789	N71-27191*	c 07	NASA-CASE-MFS-20068 US-PATENT-APPL-SN-797795 US-PATENT-CLASS-174-28 US-PATENT-CLASS-333-95 US-PATENT-CLASS-333-96 US-PATENT-CLASS-343-884 US-PATENT-3,569,875
N71-26726*	c 03	NASA-CASE-XNP-03413 US-PATENT-APPL-SN-640456 US-PATENT-CLASS-156-212 US-PATENT-3,565,719	N71-27090*	c 14	NASA-CASE-ERC-10044-1 US-PATENT-APPL-SN-811892 US-PATENT-CLASS-250-43.5R US-PATENT-CLASS-250-83.6R US-PATENT-CLASS-324-33 US-PATENT-3,575,597	N71-27210*	c 08	NASA-CASE-GSC-10097-1 US-PATENT-APPL-SN-762957 US-PATENT-CLASS-179-100.2 US-PATENT-CLASS-29-603 US-PATENT-CLASS-340-174.1 US-PATENT-3,566,045
N71-26754*	c 06	NASA-CASE-XNP-09451 US-PATENT-APPL-SN-713162 US-PATENT-CLASS-23-253 US-PATENT-3,560,161	N71-27091*	c 15	NASA-CASE-MFS-13929 US-PATENT-APPL-SN-779847 US-PATENT-CLASS-152-225 US-PATENT-CLASS-152-250 US-PATENT-3,568,748	N71-27214*	c 15	NASA-CASE-XLA-08911 US-PATENT-APPL-SN-777764 US-PATENT-CLASS-219-229 US-PATENT-CLASS-228-53 US-PATENT-3,575,336
N71-26772*	c 18	NASA-CASE-XMF-07770-2 US-PATENT-APPL-SN-711903 US-PATENT-CLASS-106-296 US-PATENT-3,576,656				N71-27215*	c 14	NASA-CASE-LAR-10204 US-PATENT-APPL-SN-766245 US-PATENT-CLASS-235-92 US-PATENT-CLASS-356-106 US-PATENT-3,572,935
N71-26773*	c 17	NASA-CASE-XNP-04262-2 US-PATENT-APPL-SN-684894 US-PATENT-CLASS-75-66 US-PATENT-3,565,607				N71-27232*	c 09	NASA-CASE-NPO-10607 US-PATENT-APPL-SN-799353 US-PATENT-CLASS-250-83 US-PATENT-CLASS-317-230 US-PATENT-CLASS-317-231 US-PATENT-CLASS-317-238 US-PATENT-3,568,010
N71-26774*	c 14	NASA-CASE-ERC-11020 US-PATENT-APPL-SN-686248 US-PATENT-CLASS-325-363 US-PATENT-3,564,420						
N71-26779*	c 28	NASA-CASE-XLA-04126 US-PATENT-APPL-SN-467820 US-PATENT-CLASS-102-101 US-PATENT-CLASS-264-3 US-PATENT-CLASS-86-1 US-PATENT-CLASS-86-20.2 US-PATENT-3,570,364						
N71-26781*	c 28	NASA-CASE-LEW-10210-1						

ACCESSION NUMBER INDEX

N71-28892

N71-27233*	c 07	NASA-CASE-GSC-10220-1 US-PATENT-APPL-SN-759256 US-PATENT-CLASS-343-777 US-PATENT-CLASS-343-786 US-PATENT-CLASS-343-799 US-PATENT-CLASS-343-840 US-PATENT-CLASS-343-854 US-PATENT-3,569,976	N71-27407*	c 14	NASA-CASE-GSC-10376-1 US-PATENT-APPL-SN-806226 US-PATENT-CLASS-307-126 US-PATENT-CLASS-323-20 US-PATENT-3,566,143	N71-28729*	c 18	NASA-CASE-LEW-10219-1 US-PATENT-APPL-SN-785780 US-PATENT-CLASS-148-126 US-PATENT-3,579,390
N71-27234*	c 05	NASA-CASE-XFR-07172 US-PATENT-APPL-SN-720041 US-PATENT-CLASS-128-2.05 US-PATENT-3,563,232	N71-27432*	c 15	NASA-CASE-NPO-10808 US-PATENT-APPL-SN-808192 US-PATENT-CLASS-60-243 US-PATENT-3,568,447	N71-28739*	c 10	NASA-CASE-XNP-01068 US-PATENT-APPL-SN-375680 US-PATENT-CLASS-307-88.5 US-PATENT-3,271,594
N71-27254*	c 06	NASA-CASE-NPO-10768 US-PATENT-APPL-SN-770398 US-PATENT-CLASS-260-615 US-PATENT-3,574,770	N71-27585*	c 28	NASA-CASE-MFS-20130 US-PATENT-APPL-SN-809822 US-PATENT-CLASS-244-4 US-PATENT-3,570,785	N71-28740*	c 15	NASA-CASE-XLA-09346 US-PATENT-APPL-SN-820964 US-PATENT-CLASS-356-150 US-PATENT-CLASS-356-152 US-PATENT-CLASS-356-153
N71-27255*	c 08	NASA-CASE-NPO-12107 US-PATENT-APPL-SN-555189 US-PATENT-CLASS-179-100.2 US-PATENT-CLASS-340-146.1 US-PATENT-CLASS-340-172.5 US-PATENT-3,571,801	N71-27754*	c 15	NASA-CASE-ARC-10131-1 US-PATENT-APPL-SN-808576 US-PATENT-CLASS-60-51 US-PATENT-CLASS-91-361 US-PATENT-CLASS-91-390 US-PATENT-CLASS-91-448 US-PATENT-3,568,572	N71-28741*	c 12	NASA-CASE-XLE-09341 US-PATENT-APPL-SN-780065 US-PATENT-CLASS-137-81.5 US-PATENT-3,583,419
N71-27271*	c 10	NASA-CASE-XLA-03893 US-PATENT-APPL-SN-779024 US-PATENT-CLASS-331-109 US-PATENT-CLASS-331-117 US-PATENT-CLASS-331-177 US-PATENT-CLASS-332-30 US-PATENT-3,569,866	N71-27862*	c 33	NASA-CASE-MFS-14114 US-PATENT-APPL-SN-706013 US-PATENT-CLASS-310-4 US-PATENT-3,535,562	N71-28747*	c 17	NASA-CASE-XNP-08881 US-PATENT-APPL-SN-732922 US-PATENT-CLASS-161-89 US-PATENT-3,579,412
N71-27272*	c 10	NASA-CASE-XLA-08799 US-PATENT-APPL-SN-668242 US-PATENT-CLASS-340-150 US-PATENT-CLASS-340-164 US-PATENT-CLASS-340-166 US-PATENT-CLASS-340-213 US-PATENT-CLASS-340-403 US-PATENT-3,571,800	N71-28421*	c 09	NASA-CASE-NPO-10412 US-PATENT-APPL-SN-768470 US-PATENT-CLASS-310-4 US-PATENT-3,578,992	N71-28759*	c 22	NASA-CASE-LEW-10250-1 US-PATENT-APPL-SN-732455 US-PATENT-CLASS-176-45 US-PATENT-3,574,057
N71-27323*	c 14	NASA-CASE-NPO-10810 US-PATENT-APPL-SN-805405 US-PATENT-CLASS-250-83.3 US-PATENT-CLASS-73-355 US-PATENT-3,566,122	N71-28429*	c 07	NASA-CASE-MSC-13201-1 US-PATENT-APPL-SN-769903 US-PATENT-CLASS-332-29 US-PATENT-CLASS-332-30 US-PATENT-3,579,147	N71-28779*	c 11	NASA-CASE-XNP-00250 US-PATENT-APPL-SN-212497 US-PATENT-CLASS-181-5 US-PATENT-3,260,326
N71-27324*	c 21	NASA-CASE-GSC-10555-1 US-PATENT-APPL-SN-785620 US-PATENT-CLASS-244-1 US-PATENT-3,567,155	N71-28430*	c 07	NASA-CASE-GSC-10668-1 US-PATENT-APPL-SN-743525 US-PATENT-CLASS-307-296 US-PATENT-CLASS-325-185 US-PATENT-CLASS-330-124 US-PATENT-CLASS-330-200 US-PATENT-CLASS-330-40 US-PATENT-3,577,092	N71-28783*	c 10	NASA-CASE-XMS-02182 US-PATENT-APPL-SN-516153 US-PATENT-CLASS-317-100 US-PATENT-3,317,797
N71-27325*	c 14	NASA-CASE-GSC-10441-1 US-PATENT-APPL-SN-782544 US-PATENT-CLASS-324-43 US-PATENT-3,571,700	N71-28465*	c 15	NASA-CASE-ERC-10097 US-PATENT-APPL-SN-797059 US-PATENT-CLASS-308-170 US-PATENT-3,583,777	N71-28807*	c 06	NASA-CASE-XMF-08674 US-PATENT-APPL-SN-617775 US-PATENT-CLASS-260-47 US-PATENT-3,370,039
N71-27332*	c 12	NASA-CASE-NPO-10416 US-PATENT-APPL-SN-754020 US-PATENT-CLASS-137-81.5 US-PATENT-3,570,513	N71-28467*	c 15	NASA-CASE-NPO-10646 US-PATENT-APPL-SN-813488 US-PATENT-CLASS-64-18 US-PATENT-3,574,277	N71-28808*	c 06	NASA-CASE-XNP-04023 US-PATENT-APPL-SN-470902 US-PATENT-CLASS-260-429 US-PATENT-3,396,184
N71-27334*	c 14	NASA-CASE-ERC-10087 US-PATENT-APPL-SN-738315 US-PATENT-CLASS-29-588 US-PATENT-3,566,459	N71-28468*	c 09	NASA-CASE-ARC-10137-1 US-PATENT-APPL-SN-799013 US-PATENT-CLASS-307-265 US-PATENT-CLASS-307-273 US-PATENT-CLASS-307-288 US-PATENT-CLASS-328-207 US-PATENT-3,584,311	N71-28809*	c 07	NASA-CASE-XGS-02290 US-PATENT-APPL-SN-544895 US-PATENT-CLASS-343-771 US-PATENT-3,417,400
N71-27338*	c 10	NASA-CASE-KSC-10020 US-PATENT-APPL-SN-817482 US-PATENT-CLASS-324-103 US-PATENT-CLASS-324-107 US-PATENT-CLASS-324-133 US-PATENT-CLASS-340-248 US-PATENT-3,571,707	N71-28554*	c 16	NASA-CASE-XGS-10518 US-PATENT-APPL-SN-764470 US-PATENT-CLASS-335-216 US-PATENT-3,541,486	N71-28810*	c 09	NASA-CASE-XNP-03916 US-PATENT-APPL-SN-535304 US-PATENT-CLASS-331-113 US-PATENT-3,325,749
N71-27341*	c 07	NASA-CASE-NPO-10343 US-PATENT-APPL-SN-750786 US-PATENT-CLASS-178-7.1 US-PATENT-CLASS-178-7.3 US-PATENT-3,566,027	N71-28579*	c 03	NASA-CASE-LEW-11359 US-PATENT-APPL-SN-787911 US-PATENT-CLASS-136-83 US-PATENT-3,573,986	N71-28849*	c 28	NASA-CASE-XMS-04826 US-PATENT-APPL-SN-521755 US-PATENT-CLASS-60-258 US-PATENT-3,318,096
N71-27363*	c 06	NASA-CASE-HQN-10364 US-PATENT-APPL-SN-713616 US-PATENT-CLASS-260-2 US-PATENT-3,563,918	N71-28582*	c 15	NASA-CASE-LEW-10278-1 US-PATENT-APPL-SN-760928 US-PATENT-CLASS-117-224 US-PATENT-3,573,977	N71-28850*	c 28	NASA-CASE-XNP-01954 US-PATENT-APPL-SN-372730 US-PATENT-CLASS-313-230 US-PATENT-3,328,624
N71-27364*	c 09	NASA-CASE-ERC-10065 US-PATENT-APPL-SN-777818 US-PATENT-CLASS-321-61 US-PATENT-CLASS-321-64 US-PATENT-CLASS-322-32 US-PATENT-3,571,693	N71-28618*	c 09	NASA-CASE-ERC-10098 US-PATENT-APPL-SN-779169 US-PATENT-CLASS-178-5.2R US-PATENT-CLASS-178-54CF US-PATENT-CLASS-178-54PE US-PATENT-3,582,960	N71-28851*	c 31	NASA-CASE-XMS-06162 US-PATENT-APPL-SN-610724 US-PATENT-CLASS-244-138 US-PATENT-3,330,510
N71-27365*	c 10	NASA-CASE-NPO-10251 US-PATENT-APPL-SN-774265 US-PATENT-CLASS-35-19 US-PATENT-3,570,143	N71-28619*	c 05	NASA-CASE-ARC-10153 US-PATENT-APPL-SN-783377 US-PATENT-CLASS-104-1 US-PATENT-CLASS-104-139 US-PATENT-CLASS-119-96 US-PATENT-CLASS-238-1 US-PATENT-CLASS-248-361 US-PATENT-CLASS-272-70 US-PATENT-CLASS-35-29 US-PATENT-3,583,322	N71-28852*	c 33	NASA-CASE-XNP-01310 US-PATENT-APPL-SN-379771 US-PATENT-CLASS-60-266 US-PATENT-3,279,193
N71-27366*	c 10	NASA-CASE-GSC-10114-1 US-PATENT-APPL-SN-796370 US-PATENT-CLASS-317-33 US-PATENT-CLASS-321-12 US-PATENT-3,571,662	N71-28620*	c 06	NASA-CASE-NPO-10701 US-PATENT-APPL-SN-763355 US-PATENT-CLASS-260-47 US-PATENT-3,576,786	N71-28859*	c 10	NASA-CASE-XNP-01107 US-PATENT-APPL-SN-384010 US-PATENT-CLASS-330-51 US-PATENT-3,389,346
N71-27372*	c 15	NASA-CASE-NPO-10070 US-PATENT-APPL-SN-780064 US-PATENT-CLASS-23-259 US-PATENT-3,565,584	N71-28629*	c 11	NASA-CASE-KSC-10198 US-PATENT-APPL-SN-845971 US-PATENT-CLASS-73-15 US-PATENT-CLASS-73-432 US-PATENT-3,578,756	N71-28860*	c 10	NASA-CASE-MSC-13492-1 US-PATENT-APPL-SN-53156 US-PATENT-CLASS-307-215 US-PATENT-CLASS-307-265 US-PATENT-CLASS-307-273 US-PATENT-CLASS-328-207 US-PATENT-CLASS-328-92 US-PATENT-3,577,014
N71-27397*	c 18	NASA-CASE-XNP-02500 US-PATENT-APPL-SN-508169 US-PATENT-CLASS-324-58.5	N71-28691*	c 09	NASA-CASE-MFS-13687	N71-28863*	c 14	NASA-CASE-ERC-10014 US-PATENT-APPL-SN-815367 US-PATENT-CLASS-250-41.9 US-PATENT-CLASS-250-49.5 US-PATENT-3,567,927
						N71-28886*	c 09	NASA-CASE-MFS-14610 US-PATENT-APPL-SN-885571 US-PATENT-CLASS-318-317 US-PATENT-CLASS-318-331 US-PATENT-CLASS-318-345 US-PATENT-CLASS-318-504 US-PATENT-3,573,583
						N71-28892*	c 33	NASA-CASE-XMF-05046 US-PATENT-APPL-SN-559350

N71-28900*	c 07	US-PATENT-CLASS-62-45	US-PATENT-APPL-SN-838630	N71-29128*	c 02	NASA-CASE-XAC-00048
		US-PATENT-3,365,897	US-PATENT-CLASS-250-219			US-PATENT-APPL-SN-765264
N71-28903*	c 33	NASA-CASE-XNP-02389	US-PATENT-CLASS-356-209	N71-29129*	c 03	US-PATENT-CLASS-121-38
		US-PATENT-APPL-SN-516162	US-PATENT-3,574,470			US-PATENT-2,898,889
N71-28915*	c 28	US-PATENT-CLASS-343-100	NASA-CASE-XER-11203	N71-29131*	c 16	NASA-CASE-XGS-01674
		US-PATENT-3,331,071	US-PATENT-APPL-SN-815366			US-PATENT-APPL-SN-248985
N71-28925*	c 08	NASA-CASE-XLA-01745	US-PATENT-CLASS-250-218	N71-29132*	c 15	US-PATENT-CLASS-320-13
		US-PATENT-APPL-SN-538907	US-PATENT-CLASS-356-103			US-PATENT-3,118,100
N71-28926*	c 09	US-PATENT-CLASS-244-1	US-PATENT-3,578,867	N71-29133*	c 15	NASA-CASE-ERC-10151
		US-PATENT-3,409,247	NASA-CASE-MS-11277			US-PATENT-APPL-SN-853856
N71-28933*	c 14	NASA-CASE-LEW-10286-1	US-PATENT-APPL-SN-771759	N71-29134*	c 14	US-PATENT-3,578,838
		US-PATENT-APPL-SN-839994	US-PATENT-CLASS-317-155.5			NASA-CASE-NPO-10431
N71-28935*	c 14	US-PATENT-CLASS-431-352	US-PATENT-CLASS-317-33	N71-29135*	c 10	US-PATENT-CLASS-350-3.5
		US-PATENT-CLASS-60-39.36	US-PATENT-CLASS-317-54			US-PATENT-APPL-SN-865329
N71-28936*	c 15	US-PATENT-CLASS-60-39.65	US-PATENT-CLASS-317-60	N71-29136*	c 15	US-PATENT-CLASS-73-49.8
		US-PATENT-3,581,492	US-PATENT-3,579,041			US-PATENT-CLASS-3583,239
N71-28937*	c 15	NASA-CASE-XNP-01012	NASA-CASE-XLA-08916	N71-29137*	c 17	NASA-CASE-MFS-20453
		US-PATENT-APPL-SN-369338	US-PATENT-APPL-SN-777765			US-PATENT-APPL-SN-895594
N71-28938*	c 14	US-PATENT-CLASS-340-174	US-PATENT-CLASS-29-421	N71-29138*	c 08	US-PATENT-CLASS-29-278R
		US-PATENT-3,394,359	US-PATENT-3,583,058			US-PATENT-CLASS-294-15
N71-28939*	c 27	NASA-CASE-XMS-03542	NASA-CASE-XMF-05999	N71-29139*	c 09	US-PATENT-CLASS-339-17R
		US-PATENT-APPL-SN-482952	US-PATENT-APPL-SN-752946			US-PATENT-CLASS-81-3R
N71-28940*	c 18	US-PATENT-CLASS-307-263	US-PATENT-CLASS-117-212	N71-29140*	c 18	US-PATENT-3,583,724
		US-PATENT-3,364,366	US-PATENT-3,576,669			NASA-CASE-MFS-11204
N71-28941*	c 15	NASA-CASE-XNP-00816	NASA-CASE-GSC-10554-1	N71-29141*	c 14	US-PATENT-APPL-SN-845991
		US-PATENT-APPL-SN-235588	US-PATENT-APPL-SN-828984			US-PATENT-CLASS-73-1R
N71-28942*	c 14	US-PATENT-CLASS-253-77	US-PATENT-CLASS-235-150.1	N71-29142*	c 10	US-PATENT-CLASS-73-304C
		US-PATENT-3,202,398	US-PATENT-CLASS-235-150.2			US-PATENT-3,578,755
N71-28943*	c 14	NASA-CASE-XNP-00650	US-PATENT-CLASS-235-150.27	N71-29143*	c 10	NASA-CASE-GSC-10564
		US-PATENT-APPL-SN-271823	US-PATENT-CLASS-235-151.1			US-PATENT-APPL-SN-292596
N71-28944*	c 14	US-PATENT-CLASS-60-39.48	US-PATENT-3,578,957	N71-29144*	c 15	US-PATENT-CLASS-340-174
		US-PATENT-3,170,295	NASA-CASE-NPO-11088			US-PATENT-3,348,218
N71-28945*	c 14	NASA-CASE-XLA-08913	US-PATENT-APPL-SN-887701	N71-29145*	c 15	NASA-CASE-XLA-00013
		US-PATENT-APPL-SN-865109	US-PATENT-CLASS-307-207			US-PATENT-APPL-SN-579121
N71-28946*	c 15	US-PATENT-CLASS-204-263	US-PATENT-CLASS-307-222	N71-29146*	c 17	US-PATENT-CLASS-308-177
		US-PATENT-3,574,084	US-PATENT-CLASS-328-167			US-PATENT-2,903,307
N71-28947*	c 14	NASA-CASE-LAR-10686	US-PATENT-CLASS-328-44	N71-29147*	c 17	NASA-CASE-XNP-04339
		US-PATENT-APPL-SN-280362	US-PATENT-3,579,122			US-PATENT-APPL-SN-451596
N71-28948*	c 15	US-PATENT-CLASS-226-58	NASA-CASE-LEW-10155-1	N71-29148*	c 08	US-PATENT-CLASS-264-111
		US-PATENT-3,298,582	US-PATENT-APPL-SN-889387			US-PATENT-3,413,393
N71-28949*	c 15	NASA-CASE-XMS-10993	US-PATENT-CLASS-337-114	N71-29149*	c 08	NASA-CASE-ERC-10041
		US-PATENT-APPL-SN-660573	US-PATENT-CLASS-337-121			US-PATENT-APPL-SN-889478
N71-28950*	c 15	US-PATENT-CLASS-244-1	US-PATENT-3,579,168	N71-29150*	c 33	US-PATENT-CLASS-307-234
		US-PATENT-3,389,877	NASA-CASE-XLE-10910			US-PATENT-CLASS-307-265
N71-28951*	c 15	NASA-CASE-XNP-01855	US-PATENT-APPL-SN-751061	N71-29151*	c 33	US-PATENT-CLASS-324-106
		US-PATENT-APPL-SN-408435	US-PATENT-CLASS-148-6			US-PATENT-CLASS-328-58
N71-28952*	c 15	US-PATENT-CLASS-285-45	US-PATENT-3,573,996	N71-29152*	c 33	US-PATENT-CLASS-332-10
		US-PATENT-3,219,365	NASA-CASE-XLA-10402			US-PATENT-CLASS-332-9R
N71-28953*	c 15	NASA-CASE-XNP-02278	US-PATENT-APPL-SN-762935	N71-29153*	c 28	US-PATENT-3,579,146
		US-PATENT-APPL-SN-11853	US-PATENT-CLASS-356-76			NASA-CASE-XLA-07788
N71-28954*	c 15	US-PATENT-CLASS-60-35.55	US-PATENT-3,574,462	N71-29154*	c 28	US-PATENT-APPL-SN-874732
		US-PATENT-3,132,479	NASA-CASE-XMS-02063			US-PATENT-CLASS-307-215
N71-28955*	c 15	NASA-CASE-XAC-00001	US-PATENT-APPL-SN-422096	N71-29155*	c 27	US-PATENT-CLASS-307-247
		US-PATENT-APPL-SN-612568	US-PATENT-CLASS-136-86			US-PATENT-CLASS-307-265
N71-28956*	c 14	US-PATENT-CLASS-318-31	US-PATENT-3,382,105	N71-29156*	c 26	US-PATENT-CLASS-307-273
		US-PATENT-2,837,706	NASA-CASE-XHQ-03673			US-PATENT-CLASS-307-294
N71-28957*	c 15	NASA-CASE-XNP-02792	US-PATENT-APPL-SN-559055	N71-29157*	c 33	US-PATENT-CLASS-328-207
		US-PATENT-APPL-SN-262596	US-PATENT-CLASS-165-86			US-PATENT-3,578,988
N71-28958*	c 15	US-PATENT-CLASS-219-413	US-PATENT-3,347,309	N71-29158*	c 33	NASA-CASE-XLE-00035
		US-PATENT-3,197,616	NASA-CASE-XNP-06503			US-PATENT-APPL-SN-575291
N71-28959*	c 15	NASA-CASE-XNP-01848	US-PATENT-APPL-SN-370989	N71-29159*	c 33	US-PATENT-CLASS-204-37
		US-PATENT-APPL-SN-359532	US-PATENT-CLASS-335-216			US-PATENT-2,926,123
N71-28960*	c 10	US-PATENT-CLASS-64-27	US-PATENT-3,273,094	N71-29160*	c 33	NASA-CASE-XLE-00027
		US-PATENT-3,236,066	NASA-CASE-HQN-00936			US-PATENT-APPL-SN-529594
N71-28961*	c 10	NASA-CASE-XNP-00745	US-PATENT-APPL-SN-862921	N71-29161*	c 28	US-PATENT-CLASS-253-39.1
		US-PATENT-APPL-SN-314570	US-PATENT-CLASS-244-1			US-PATENT-2,956,772
N71-28962*	c 16	US-PATENT-CLASS-328-67	US-PATENT-3,396,920	N71-29162*	c 28	NASA-CASE-MFS-20831
		US-PATENT-3,252,100	NASA-CASE-XMF-04208			US-PATENT-APPL-SN-238421
N71-28963*	c 16	NASA-CASE-XLA-01093	US-PATENT-APPL-SN-428887	N71-29163*	c 28	US-PATENT-CLASS-60-35.54
		US-PATENT-APPL-SN-274065	US-PATENT-CLASS-73-190			US-PATENT-3,212,259
N71-28964*	c 16	US-PATENT-CLASS-250-199	US-PATENT-3,372,588	N71-29164*	c 28	NASA-CASE-XLE-00155
		US-PATENT-3,215,842	NASA-CASE-MS-12389			US-PATENT-APPL-SN-348600
N71-28965* #	c 07	NASA-CASE-GSC-10949-1	US-PATENT-APPL-SN-229286	N71-29165*	c 27	US-PATENT-CLASS-253-77
		US-PATENT-APPL-SN-94369	US-PATENT-CLASS-165-47			US-PATENT-2,997,274
N71-28966*	c 07	US-PATENT-CLASS-343-823	US-PATENT-3,212,564	N71-29166*	c 27	NASA-CASE-MS-12390
		US-PATENT-3,299,431	NASA-CASE-HQN-00938			US-PATENT-APPL-SN-231520
N71-28967*	c 07	NASA-CASE-XLA-10772	US-PATENT-APPL-SN-300957	N71-29167*	c 26	US-PATENT-CLASS-222-61
		US-PATENT-APPL-SN-887700	US-PATENT-CLASS-60-267			US-PATENT-3,286,882
N71-28968*	c 07	US-PATENT-CLASS-343-708	US-PATENT-3,298,175	N71-29168*	c 25	NASA-CASE-XNP-01961
		US-PATENT-CLASS-343-784	NASA-CASE-ERC-10011			US-PATENT-APPL-SN-442835
N71-28969*	c 14	US-PATENT-CLASS-343-872	US-PATENT-APPL-SN-802818	N71-29169*	c 25	US-PATENT-CLASS-148-174
		US-PATENT-3,579,242	US-PATENT-CLASS-333-81			US-PATENT-3,397,094
N71-28970*	c 14	NASA-CASE-XLA-06713	US-PATENT-CLASS-350-1	N71-29170*	c 25	NASA-CASE-XLA-00327
		US-PATENT-APPL-SN-863913	US-PATENT-CLASS-350-286			US-PATENT-APPL-SN-199199
N71-28971*	c 14	US-PATENT-CLASS-324-5	US-PATENT-3,574,438	N71-29171*	c 14	US-PATENT-CLASS-315-111
		US-PATENT-CLASS-324-73	NASA-CASE-XNP-08907			US-PATENT-3,238,413
N71-28972*	c 14	US-PATENT-CLASS-340-347AD	US-PATENT-APPL-SN-824042	N71-29172*	c 23	NASA-CASE-MFS-20096
		US-PATENT-3,579,103	US-PATENT-CLASS-350-102			US-PATENT-APPL-SN-435433
N71-28973*	c 14	NASA-CASE-ERC-10150	US-PATENT-CLASS-350-288	N71-29173*	c 23	US-PATENT-CLASS-73-432
		US-PATENT-APPL-SN-822519	US-PATENT-CLASS-350-310			US-PATENT-3,396,584
N71-28974*	c 14	US-PATENT-CLASS-250-41.95	US-PATENT-3,574,448	N71-29174*	c 23	NASA-CASE-GSC-10700
		US-PATENT-CLASS-73-40.7	NASA-CASE-NPO-11087			US-PATENT-APPL-SN-311387
N71-28975*	c 14	US-PATENT-3,578,758	US-PATENT-APPL-SN-840359	N71-29175*	c 15	US-PATENT-CLASS-350-2
		NASA-CASE-MFS-20044	US-PATENT-CLASS-331-94.5			US-PATENT-3,394,975
N71-28976*	c 14		US-PATENT-CLASS-356-153	N71-29176*	c 15	NASA-CASE-MFS-20830
			US-PATENT-3,574,467			US-PATENT-APPL-SN-286620

N71-30265*	c 14	US-PATENT-3,262,395	US-PATENT-CLASS-325-480	US-PATENT-CLASS-250-235
		NASA-CASE-HQN-10780	US-PATENT-CLASS-325-482	US-PATENT-CLASS-33-125
N71-30292*	c 23	US-PATENT-APPL-SN-247136	US-PATENT-CLASS-328-164	US-PATENT-CLASS-356-167
		US-PATENT-CLASS-73-497	US-PATENT-CLASS-328-165	US-PATENT-CLASS-356-32
N71-33108*	c 07	US-PATENT-3,270,565	US-PATENT-CLASS-329-145	US-PATENT-CLASS-73-95
		NASA-CASE-HQN-10781	US-PATENT-3,588,705	US-PATENT-3,592,545
N71-33109*	c 09	US-PATENT-APPL-SN-86018	US-PATENT-NPO-11190	NASA-CASE-MFS-20485
		US-PATENT-3,239,660	US-PATENT-APPL-SN-115944	US-PATENT-APPL-SN-22320
N71-33110*	c 08	NASA-CASE-KSC-10164	NASA-CASE-MFS-20935	US-PATENT-CLASS-250-43.5FC
		US-PATENT-APPL-SN-782955	US-PATENT-APPL-SN-136007	US-PATENT-CLASS-73-194F
N71-33129*	c 10	US-PATENT-CLASS-179-1R	NASA-CASE-HQN-10683	US-PATENT-3,599,489
		US-PATENT-CLASS-179-1VC	US-PATENT-APPL-SN-146217	NASA-CASE-MFS-18495
N71-33160*	c 31	US-PATENT-3,588,359	NASA-CASE-HQN-10537-1	US-PATENT-APPL-SN-38814
		NASA-CASE-ARC-10101-1	US-PATENT-APPL-SN-112366	US-PATENT-CLASS-24-211N
N71-33229*	c 23	US-PATENT-APPL-SN-793823	NASA-CASE-GSC-11095-1	US-PATENT-CLASS-85-5B
		US-PATENT-CLASS-307-251	US-PATENT-APPL-SN-147940	US-PATENT-3,596,554
N71-33407*	c 10	US-PATENT-CLASS-307-261	NASA-CASE-LAR-10557	NASA-CASE-MFS-20249
		US-PATENT-CLASS-321-47	US-PATENT-APPL-SN-853746	US-PATENT-APPL-SN-794530
N71-33408*	c 17	US-PATENT-3,588,671	US-PATENT-CLASS-416-115	US-PATENT-CLASS-248-183
		NASA-CASE-GSC-10186	US-PATENT-CLASS-416-121	US-PATENT-CLASS-248-278
N71-33409*	c 03	US-PATENT-APPL-SN-713188	US-PATENT-CLASS-416-127	US-PATENT-CLASS-33-72
		US-PATENT-CLASS-235-164	US-PATENT-CLASS-416-130	US-PATENT-CLASS-350-285
N71-33409*	c 03	US-PATENT-CLASS-235-175	US-PATENT-CLASS-416-149	US-PATENT-CLASS-350-287
		US-PATENT-3,588,483	US-PATENT-CLASS-416-200	US-PATENT-3,596,863
N71-33410*	c 16	NASA-CASE-GSC-10667-1	US-PATENT-3,592,559	NASA-CASE-XMF-09902
		US-PATENT-APPL-SN-749548	NASA-CASE-XGS-04047-2	US-PATENT-APPL-SN-769665
N71-33518*	c 15	US-PATENT-CLASS-330-11	US-PATENT-APPL-SN-843251	US-PATENT-CLASS-75-20F
		US-PATENT-CLASS-330-16	US-PATENT-CLASS-136-206	US-PATENT-3,592,628
N71-33519*	c 09	US-PATENT-CLASS-330-24	US-PATENT-3,597,281	NASA-CASE-MFS-20423
		US-PATENT-3,585,514	NASA-CASE-NPO-10677	US-PATENT-APPL-SN-865298
N71-33612*	c 11	NASA-CASE-XLA-04063	US-PATENT-APPL-SN-868530	US-PATENT-CLASS-212-134
		US-PATENT-APPL-SN-802948	US-PATENT-CLASS-62-467	US-PATENT-CLASS-308-5
N71-33613*	c 07	US-PATENT-CLASS-179-1	US-PATENT-CLASS-62-56	US-PATENT-3,600,046
		US-PATENT-CLASS-244-1	US-PATENT-3,599,443	NASA-CASE-XLA-05056
N71-33696*	c 07	US-PATENT-CLASS-244-83	NASA-CASE-MSC-13140	US-PATENT-APPL-SN-596733
		US-PATENT-3,586,261	US-PATENT-APPL-SN-796358	US-PATENT-CLASS-210-445
N71-34044* #	c 03	NASA-CASE-NPO-10468	US-PATENT-CLASS-285-410	US-PATENT-3,592,768
		US-PATENT-APPL-SN-787846	US-PATENT-CLASS-297-232	NASA-CASE-MFS-18100
N71-34212* #	c 09	US-PATENT-CLASS-350-310	US-PATENT-CLASS-297-68	US-PATENT-APPL-SN-784055
		US-PATENT-CLASS-350-55	US-PATENT-CLASS-5-69	US-PATENT-CLASS-15-143
N71-34389* #	c 14	US-PATENT-3,588,220	US-PATENT-3,592,505	US-PATENT-CLASS-15-210
		NASA-CASE-NPO-10342	NASA-CASE-NPO-10301	US-PATENT-3,591,885
N72-10138* #	c 06	US-PATENT-APPL-SN-704446	US-PATENT-APPL-SN-848810	NASA-CASE-NPO-11012
		US-PATENT-CLASS-178-69.5	US-PATENT-CLASS-343-771	US-PATENT-APPL-SN-845807
N72-10375* #	c 14	US-PATENT-CLASS-179-15BS	US-PATENT-CLASS-343-771	US-PATENT-CLASS-248-18
		US-PATENT-CLASS-340-347DD	US-PATENT-CLASS-343-853	US-PATENT-CLASS-248-20
N72-11018* #	c 02	US-PATENT-3,588,883	US-PATENT-3,599,216	US-PATENT-3,592,422
		NASA-CASE-LEW-10327	NASA-CASE-GSC-10390-1	NASA-CASE-MFS-20299
N72-11018*	c 02	US-PATENT-APPL-SN-772006	US-PATENT-APPL-SN-749121	US-PATENT-APPL-SN-889437
		US-PATENT-CLASS-148-6.3	US-PATENT-CLASS-325-39	US-PATENT-CLASS-156-320
N72-11084* #	c 05	US-PATENT-3,591,426	US-PATENT-CLASS-325-4	US-PATENT-CLASS-156-66
		NASA-CASE-ARC-10050	US-PATENT-CLASS-325-58	US-PATENT-CLASS-219-221
N72-11085* #	c 05	US-PATENT-APPL-SN-797219	US-PATENT-CLASS-343-179	US-PATENT-CLASS-219-243
		US-PATENT-CLASS-136-89	US-PATENT-CLASS-343-5DP	US-PATENT-3,593,001
N72-11148* #	c 07	US-PATENT-3,591,420	US-PATENT-CLASS-343-7.5	NASA-CASE-GSC-11133-1
		NASA-CASE-NPO-10417	US-PATENT-3,593,138	US-PATENT-APPL-SN-121328
N72-11149* #	c 07	US-PATENT-APPL-SN-753974	NASA-CASE-NPO-11064	US-PATENT-APPL-SN-20095
		US-PATENT-CLASS-331-94.5	US-PATENT-APPL-SN-880248	US-PATENT-APPL-SN-855004
N72-11171* #	c 08	US-PATENT-CLASS-331-94.5	US-PATENT-CLASS-331-10	US-PATENT-CLASS-250-49.5B
		US-PATENT-CLASS-352-84	US-PATENT-CLASS-331-34	US-PATENT-CLASS-250-49.5TE
N72-11172* #	c 08	US-PATENT-CLASS-352-84	US-PATENT-CLASS-331-66	US-PATENT-CLASS-250-51
		US-PATENT-CLASS-95-11	US-PATENT-CLASS-331-7	US-PATENT-CLASS-250-52
N72-11224* #	c 09	US-PATENT-3,587,424	US-PATENT-3,593,180	US-PATENT-3,593,024
		NASA-CASE-XLA-03661	NASA-CASE-NPO-10769	NASA-CASE-MFS-20619
N72-11225* #	c 09	US-PATENT-APPL-SN-751266	US-PATENT-APPL-SN-813494	US-PATENT-APPL-SN-18982
		US-PATENT-CLASS-408-137	US-PATENT-CLASS-179-15.55R	US-PATENT-CLASS-139-425R
N72-11256* #	c 10	US-PATENT-CLASS-90-11	US-PATENT-3,598,921	US-PATENT-CLASS-239-265.19
		US-PATENT-3,585,882	NASA-CASE-GSC-10880-1	US-PATENT-CLASS-239-265.43
N72-11363* #	c 14	NASA-CASE-ERC-10100	US-PATENT-APPL-SN-831118	US-PATENT-CLASS-60-271
		US-PATENT-APPL-SN-766697	US-PATENT-CLASS-235-61NV	US-PATENT-3,596,465
N72-12136* #	c 09	US-PATENT-CLASS-313-109.5	US-PATENT-CLASS-33-15A	NASA-CASE-NPO-10737
		US-PATENT-CLASS-313-231	US-PATENT-CLASS-33-204C	US-PATENT-APPL-SN-760114
N72-12136*	c 09	US-PATENT-CLASS-315-108	US-PATENT-3,599,335	US-PATENT-CLASS-60-202
		US-PATENT-CLASS-315-111	NASA-CASE-GSC-10614-1	US-PATENT-CLASS-60-39-48
N72-12136*	c 09	US-PATENT-CLASS-340-324	US-PATENT-APPL-SN-822534	US-PATENT-3,591,967
		US-PATENT-CLASS-340-336	US-PATENT-CLASS-179-100-2CA	NASA-CASE-GSC-10087-3
N72-12136*	c 09	US-PATENT-3,588,874	US-PATENT-CLASS-179-100-2MD	US-PATENT-APPL-SN-880885
		NASA-CASE-NPO-11031	US-PATENT-CLASS-274-4R	US-PATENT-CLASS-325-4
N72-12136*	c 09	US-PATENT-APPL-SN-864097	US-PATENT-3,592,478	US-PATENT-CLASS-343-6.5R
		US-PATENT-CLASS-333-21A	NASA-CASE-KSC-10162	US-PATENT-CLASS-343-6.8R
N72-12136*	c 09	US-PATENT-CLASS-333-6	US-PATENT-APPL-SN-817481	US-PATENT-3,594,790
		US-PATENT-CLASS-333-7	US-PATENT-CLASS-324-102	NASA-CASE-GSC-10185-1
N72-12136*	c 09	US-PATENT-3,588,751	US-PATENT-CLASS-324-119	US-PATENT-APPL-SN-733039
		NASA-CASE-XLA-09480	US-PATENT-CLASS-324-123R	US-PATENT-CLASS-178-DIG.12
N72-12136*	c 09	US-PATENT-APPL-SN-874435	US-PATENT-3,593,132	US-PATENT-CLASS-178-6
		US-PATENT-CLASS-73-147	NASA-CASE-ARC-10042-2	US-PATENT-CLASS-178-7.3
N72-12136*	c 09	US-PATENT-3,587,306	US-PATENT-APPL-SN-33159	US-PATENT-CLASS-325-10
		NASA-CASE-NPO-10700	US-PATENT-CLASS-330-107	US-PATENT-CLASS-325-13
N72-12136*	c 09	US-PATENT-CLASS-318-227	US-PATENT-CLASS-330-109	US-PATENT-3,588,331
		US-PATENT-CLASS-318-230	US-PATENT-3,593,175	NASA-CASE-XER-09521
N72-12136*	c 09	US-PATENT-3,588,648	NASA-CASE-MSC-11847-1	US-PATENT-APPL-SN-771530
		NASA-CASE-MSC-12165-1	US-PATENT-APPL-SN-8497	US-PATENT-CLASS-136-202
N72-12136*	c 09	US-PATENT-APPL-SN-875849	US-PATENT-CLASS-73-149	US-PATENT-CLASS-136-206
		US-PATENT-CLASS-325-347	US-PATENT-CLASS-73-290B	US-PATENT-CLASS-136-227
N72-12136*	c 09	US-PATENT-CLASS-325-348	US-PATENT-3,596,510	US-PATENT-CLASS-343-DIG.3
		US-PATENT-CLASS-325-473	NASA-CASE-NPO-10778	
N72-12136*	c 09	US-PATENT-CLASS-325-478	US-PATENT-APPL-SN-865909	

		US-PATENT-CLASS-343-720			US-PATENT-APPL-SN-47443			US-PATENT-APPL-SN-24154
		US-PATENT-CLASS-343-840			US-PATENT-CLASS-250-211J			US-PATENT-CLASS-188-1C
		US-PATENT-3,594,803			US-PATENT-3,603,798			US-PATENT-CLASS-188-129
N72-12408*	c 15	NASA-CASE-XLA-05966	N72-17153*	c 09	NASA-CASE-ARC-10105	N72-17451*	c 15	US-PATENT-3,603,433
		US-PATENT-APPL-SN-784544			US-PATENT-APPL-SN-887698			NASA-CASE-WLP-10002
		US-PATENT-CLASS-140-105			US-PATENT-CLASS-128-2.1A			US-PATENT-APPL-SN-47062
		US-PATENT-CLASS-72-307			US-PATENT-CLASS-307-252F			US-PATENT-CLASS-180-125
		US-PATENT-3,584,660			US-PATENT-CLASS-307-252J			US-PATENT-CLASS-180-127
N72-12409*	c 15	NASA-CASE-NPO-10637			US-PATENT-CLASS-325-492			US-PATENT-CLASS-308-DIG.1
		US-PATENT-APPL-SN-851298			US-PATENT-CLASS-340-177			US-PATENT-CLASS-308-5
		US-PATENT-CLASS-236-68			US-PATENT-3,603,946			US-PATENT-CLASS-308-9
		US-PATENT-CLASS-337-354	N72-17154*	c 09	NASA-CASE-ERC-10139	N72-17452*	c 15	US-PATENT-3,610,365
		US-PATENT-CLASS-337-359			US-PATENT-APPL-SN-889555			NASA-CASE-XLA-10322
		US-PATENT-CLASS-337-75			US-PATENT-CLASS-321-10			US-PATENT-APPL-SN-887699
		US-PATENT-CLASS-60-23			US-PATENT-CLASS-336-178			US-PATENT-CLASS-73-88.5F
N72-12440*	c 16	US-PATENT-3,591,960			US-PATENT-3,603,864	N72-17453*	c 15	US-PATENT-3,608,365
		NASA-CASE-MFS-20180	N72-17155*	c 09	NASA-CASE-NPO-11023			NASA-CASE-NPO-11177
		US-PATENT-APPL-SN-863276			US-PATENT-APPL-SN-865274			US-PATENT-APPL-SN-20960
		US-PATENT-CLASS-331-94.5			US-PATENT-CLASS-330-18			US-PATENT-CLASS-62-51
		US-PATENT-CLASS-350-1			US-PATENT-CLASS-330-40			US-PATENT-3,605,424
		US-PATENT-CLASS-350-312	N72-17156*	c 09	US-PATENT-3,603,892	N72-17454*	c 15	NASA-CASE-NPO-11059
		US-PATENT-3,593,194			NASA-CASE-NPO-10199			US-PATENT-APPL-SN-864020
N72-13437*	c 16	NASA-CASE-MFS-20125			US-PATENT-APPL-SN-739391			US-PATENT-CLASS-248-14
		US-PATENT-APPL-SN-830366			US-PATENT-CLASS-330-11			US-PATENT-3,606,979
		US-PATENT-CLASS-178-DIG.21			US-PATENT-CLASS-330-35	N72-17455*	c 15	NASA-CASE-NPO-11140
		US-PATENT-CLASS-178-6			US-PATENT-3,609,230			US-PATENT-APPL-SN-15019
		US-PATENT-CLASS-250-203X	N72-17157*	c 09	NASA-CASE-NPO-11253			US-PATENT-CLASS-174-84
		US-PATENT-CLASS-356-152			US-PATENT-APPL-SN-21906			US-PATENT-CLASS-200-64
		US-PATENT-3,603,686			US-PATENT-CLASS-307-223			US-PATENT-CLASS-339-176M
N72-15098*	c 05	NASA-CASE-MSC-13917-1			US-PATENT-CLASS-307-227			US-PATENT-CLASS-339-278M
		US-PATENT-APPL-SN-198355			US-PATENT-CLASS-307-81			US-PATENT-CLASS-339-46
N72-15986*	c 03	NASA-CASE-XGS-10010			US-PATENT-CLASS-328-186			US-PATENT-CLASS-89-1.811
		US-PATENT-APPL-SN-729299			US-PATENT-3,609,387	N72-17532*	c 18	US-PATENT-3,611,274
		US-PATENT-CLASS-136-133	N72-17171*	c 10	NASA-CASE-XAC-05462-2			NASA-CASE-MFS-13532
		US-PATENT-CLASS-136-135			US-PATENT-APPL-SN-28235			US-PATENT-APPL-SN-720546
		US-PATENT-CLASS-136-6			US-PATENT-CLASS-307-295			US-PATENT-CLASS-106-292
		US-PATENT-3,607,401			US-PATENT-CLASS-328-167			US-PATENT-CLASS-106-299
N72-16015*	c 05	NASA-CASE-KSC-10278			US-PATENT-CLASS-330-109			US-PATENT-3,607,338
		US-PATENT-APPL-SN-856327			US-PATENT-CLASS-330-176	N72-17747*	c 23	US-PATENT-3,607,338
		US-PATENT-CLASS-324-66			US-PATENT-CLASS-333-70CR			NASA-CASE-ERC-10089
		US-PATENT-CLASS-340-279			US-PATENT-3,609,567			US-PATENT-APPL-SN-791267
		US-PATENT-CLASS-35-8	N72-17172*	c 10	NASA-CASE-ARC-10020			US-PATENT-CLASS-340-174AG
		US-PATENT-3,609,740			US-PATENT-APPL-SN-31885			US-PATENT-CLASS-340-174CT
N72-16172*	c 10	NASA-CASE-ARC-10269-1			US-PATENT-CLASS-330-107			US-PATENT-CLASS-340-174GA
		US-PATENT-APPL-SN-56791			US-PATENT-CLASS-330-109			US-PATENT-CLASS-340-174SC
		US-PATENT-CLASS-307-230			US-PATENT-CLASS-330-26	N72-17820*	c 26	US-PATENT-3,611,330
		US-PATENT-CLASS-307-262			US-PATENT-CLASS-330-31			NASA-CASE-XER-08476-1
		US-PATENT-CLASS-328-155			US-PATENT-CLASS-330-94			US-PATENT-APPL-SN-672388
		US-PATENT-3,614,475			US-PATENT-3,605,032			US-PATENT-CLASS-148-187
N72-16282*	c 14	NASA-CASE-LAR-10913			NASA-CASE-MFS-13130			US-PATENT-CLASS-29-578
		US-PATENT-APPL-SN-779160	N72-17173*	c 10	US-PATENT-APPL-SN-7868			US-PATENT-CLASS-29-589
		US-PATENT-CLASS-73-12			US-PATENT-CLASS-250-209	N72-17843*	c 28	US-PATENT-3,602,984
		US-PATENT-3,605,482			US-PATENT-CLASS-250-83,3UV			NASA-CASE-NPO-10046
N72-16283*	c 14	NASA-CASE-GSC-10780-1			US-PATENT-CLASS-340-228.2			US-PATENT-APPL-SN-860635
		US-PATENT-APPL-SN-860493			US-PATENT-3,609,364			US-PATENT-CLASS-60-258
		US-PATENT-CLASS-82-24R	N72-17183*	c 11	NASA-CASE-MFS-20509			US-PATENT-CLASS-60-39.74
		US-PATENT-3,608,409			NASA-CASE-MFS-20509	N72-17873*	c 30	US-PATENT-3,603,092
N72-16329*	c 15	NASA-CASE-XLA-07829			US-PATENT-APPL-SN-889557			NASA-CASE-ARC-10134
		US-PATENT-APPL-SN-763684			US-PATENT-CLASS-73-147			US-PATENT-APPL-SN-819898
		US-PATENT-CLASS-264-DIG.44			US-PATENT-3,602,920			US-PATENT-CLASS-244-3.21
		US-PATENT-CLASS-264-221	N72-17323*	c 14	NASA-CASE-ERC-10248			US-PATENT-3,603,532
		US-PATENT-CLASS-264-225			US-PATENT-APPL-SN-868445	N72-17947*	c 33	NASA-CASE-MSC-12143-1
		US-PATENT-CLASS-264-227			US-PATENT-CLASS-350-162			US-PATENT-APPL-SN-791268
		US-PATENT-3,608,046			US-PATENT-CLASS-356-113			US-PATENT-CLASS-102-105
N72-16330*	c 15	NASA-CASE-LAR-10203-1			US-PATENT-CLASS-356-209			US-PATENT-CLASS-161-67
		US-PATENT-APPL-SN-769592			US-PATENT-CLASS-356-244			US-PATENT-CLASS-244-117
		US-PATENT-CLASS-156-84			US-PATENT-3,603,690	N72-17948*	c 33	US-PATENT-3,603,260
		US-PATENT-CLASS-156-86	N72-17324*	c 14	NASA-CASE-MFS-20596			NASA-CASE-NPO-10828
		US-PATENT-3,607,495			US-PATENT-APPL-SN-7867			US-PATENT-APPL-SN-873260
N72-17093*	c 06	NASA-CASE-LEW-10794-1			US-PATENT-CLASS-350-3.5			US-PATENT-CLASS-165-105
		US-PATENT-APPL-SN-33535			US-PATENT-3,605,519			US-PATENT-3,603,382
		US-PATENT-CLASS-23-55	N72-17325*	c 14	NASA-CASE-MSC-15158-1	N72-18184*	c 08	NASA-CASE-NPO-10629
		US-PATENT-CLASS-23-88			US-PATENT-APPL-SN-889479			US-PATENT-APPL-SN-860751
		US-PATENT-CLASS-23-97			US-PATENT-CLASS-324-52			US-PATENT-CLASS-178-50
N72-17094*	c 06	US-PATENT-3,607,015			US-PATENT-3,609,535			US-PATENT-CLASS-178-66
		NASA-CASE-NPO-10234	N72-17326*	c 14	NASA-CASE-XMS-01994-1			US-PATENT-CLASS-179-15
		US-PATENT-APPL-SN-800204			US-PATENT-APPL-SN-814212			US-PATENT-CLASS-235-154
		US-PATENT-CLASS-23-230R			US-PATENT-CLASS-356-4			US-PATENT-CLASS-340-347DD
		US-PATENT-CLASS-23-232C			US-PATENT-3,603,683	N72-18411*	c 14	US-PATENT-3,603,976
		US-PATENT-CLASS-23-253PC	N72-17327*	c 14	NASA-CASE-LEW-10281-1			NASA-CASE-KSC-10294
		US-PATENT-CLASS-73-23.1			US-PATENT-APPL-SN-861649			US-PATENT-APPL-SN-889556
		US-PATENT-3,607,076			US-PATENT-CLASS-73-198			US-PATENT-CLASS-307-311
N72-17095*	c 06	NASA-CASE-NPO-10774			US-PATENT-3,605,495			US-PATENT-CLASS-346-107A
		US-PATENT-APPL-SN-848805	N72-17328*	c 14	NASA-CASE-XLA-07813			US-PATENT-CLASS-346-23
		US-PATENT-CLASS-23-201			US-PATENT-APPL-SN-791364			US-PATENT-CLASS-352-84
		US-PATENT-CLASS-23-230			US-PATENT-CLASS-250-207			US-PATENT-CLASS-95-1.1
		US-PATENT-CLASS-23-253			US-PATENT-CLASS-250-41.9	N72-18477*	c 15	US-PATENT-3,603,974
		US-PATENT-CLASS-73-76			US-PATENT-CLASS-250-49.5			NASA-CASE-GSC-10566-1
		US-PATENT-3,607,080			US-PATENT-CLASS-250-71.5			US-PATENT-APPL-SN-889438
N72-17109*	c 07	NASA-CASE-MSC-12146-1			US-PATENT-CLASS-250-83.3			US-PATENT-CLASS-242-54
		US-PATENT-APPL-SN-50206			US-PATENT-3,609,353			US-PATENT-CLASS-52-108
		US-PATENT-CLASS-178-5.2R	N72-17329*	c 14	NASA-CASE-FRC-10012			US-PATENT-3,608,844
		US-PATENT-CLASS-178-5.4			US-PATENT-APPL-SN-771216	N72-18766*	c 28	NASA-CASE-GSC-10640-1
		US-PATENT-CLASS-178-6.7			US-PATENT-CLASS-73-194A			US-PATENT-APPL-SN-17101
		US-PATENT-3,603,722			US-PATENT-3,611,801			US-PATENT-CLASS-23-281
N72-17152*	c 09	NASA-CASE-ARC-10178-1	N72-17450*	c 15	NASA-CASE-MSC-12279			US-PATENT-CLASS-23-288
								US-PATENT-CLASS-60-260

ACCESSION NUMBER INDEX

N72-21248

N72-18859* #	c 31	US-PATENT-3,603,093 NASA-CASE-MSC-13281 US-PATENT-APPL-SN-7669 US-PATENT-CLASS-244-15.5 US-PATENT-3,606,212	N72-20221* #	c 10	NASA-CASE-GSC-10082-1 US-PATENT-APPL-SN-41430 US-PATENT-CLASS-307-273 US-PATENT-CLASS-307-288 US-PATENT-CLASS-307-313 US-PATENT-CLASS-328-207 US-PATENT-CLASS-330-300 US-PATENT-3,633,048	N72-20840* #	c 31	US-PATENT-3,636,711 NASA-CASE-MFS-20922 US-PATENT-APPL-SN-220274 NASA-CASE-NPO-10831 US-PATENT-APPL-SN-10161 US-PATENT-CLASS-122-32 US-PATENT-CLASS-165-133 US-PATENT-CLASS-165-155 US-PATENT-CLASS-165-158 US-PATENT-CLASS-165-161 US-PATENT-CLASS-165-174 US-PATENT-3,630,276
N72-20031* #	c 03	NASA-CASE-GSC-10669-1 US-PATENT-APPL-SN-90595 US-PATENT-CLASS-136-89 US-PATENT-CLASS-244-ISS US-PATENT-CLASS-340-210 US-PATENT-3,636,539	N72-20222* #	c 10	NASA-CASE-XLA-11189 US-PATENT-APPL-SN-889375 US-PATENT-CLASS-324-115 US-PATENT-CLASS-324-132 US-PATENT-3,638,114	N72-21094* #	c 06	NASA-CASE-ERC-10108 US-PATENT-APPL-SN-833049 US-PATENT-CLASS-156-3 US-PATENT-CLASS-96-36.2 US-PATENT-3,615,465
N72-20032* #	c 03	NASA-CASE-NPO-11021 US-PATENT-APPL-SN-880250 US-PATENT-CLASS-136-166 US-PATENT-CLASS-136-79 US-PATENT-CLASS-136-81 US-PATENT-3,625,766	N72-20223* #	c 10	NASA-CASE-NPO-11133 US-PATENT-APPL-SN-887685 US-PATENT-CLASS-307-295 US-PATENT-CLASS-328-16 US-PATENT-CLASS-328-166 US-PATENT-CLASS-328-20 US-PATENT-CLASS-328-38 US-PATENT-3,626,308	N72-21105* #	c 06	NASA-CASE-GSC-11304-1 US-PATENT-APPL-SN-137912 NASA-CASE-XLA-11154 US-PATENT-APPL-SN-23532 US-PATENT-CLASS-343-706 US-PATENT-CLASS-343-912 US-PATENT-3,623,107
N72-20033* #	c 03	NASA-CASE-NPO-10401 US-PATENT-APPL-SN-15025 US-PATENT-CLASS-210-212 US-PATENT-CLASS-356-222 US-PATENT-3,630,627	N72-20224* #	c 10	NASA-CASE-NPO-11203 US-PATENT-APPL-SN-3696 US-PATENT-CLASS-324-83A US-PATENT-CLASS-324-85 US-PATENT-CLASS-328-133 US-PATENT-CLASS-343-12 US-PATENT-3,631,351	N72-21118* #	c 07	NASA-CASE-NPO-11001 US-PATENT-APPL-SN-856279 US-PATENT-CLASS-343-100ST US-PATENT-CLASS-343-5CM US-PATENT-CLASS-343-6.5R US-PATENT-3,624,650
N72-20034* #	c 03	NASA-CASE-LEW-11359-2 US-PATENT-APPL-SN-57399 US-PATENT-CLASS-136-100R US-PATENT-CLASS-136-175 US-PATENT-CLASS-136-83R US-PATENT-3,635,765	N72-20225* #	c 10	NASA-CASE-MSC-13407-1 US-PATENT-APPL-SN-65840 US-PATENT-CLASS-315-22 US-PATENT-CLASS-315-25 US-PATENT-3,638,066	N72-21119* #	c 07	NASA-CASE-ERC-10112 US-PATENT-APPL-SN-796690 US-PATENT-CLASS-179-100.2K US-PATENT-3,614,343
N72-20096* #	c 05	NASA-CASE-MSC-12411-1 US-PATENT-APPL-SN-701244 US-PATENT-CLASS-128-142.5 US-PATENT-CLASS-128-402 US-PATENT-CLASS-2-2.1 US-PATENT-3,635,216	N72-20244* #	c 11	NASA-CASE-NPO-11210 US-PATENT-APPL-SN-880831 US-PATENT-CLASS-123-102 US-PATENT-CLASS-180-105E US-PATENT-CLASS-318-308 US-PATENT-CLASS-318-327 US-PATENT-CLASS-318-376 US-PATENT-3,630,304	N72-21197* #	c 08	NASA-CASE-KSC-10326 US-PATENT-APPL-SN-25487 US-PATENT-CLASS-235-155 US-PATENT-CLASS-340-347DD US-PATENT-3,638,002
N72-20097* #	c 05	NASA-CASE-MFS-20332 US-PATENT-APPL-SN-869260 US-PATENT-CLASS-137-469 US-PATENT-CLASS-137-81 US-PATENT-3,636,966	N72-20379* #	c 14	NASA-CASE-GSC-10514-1 US-PATENT-APPL-SN-873045 US-PATENT-CLASS-250-208 US-PATENT-CLASS-356-138 US-PATENT-CLASS-356-152 US-PATENT-3,637,312	N72-21198* #	c 08	NASA-CASE-ERC-10307 US-PATENT-APPL-SN-39755 US-PATENT-CLASS-307-299 US-PATENT-CLASS-307-303 US-PATENT-CLASS-307-311 US-PATENT-CLASS-340-173.2 US-PATENT-CLASS-340-173LS US-PATENT-3,623,030
N72-20098* #	c 05	NASA-CASE-MSC-12398 US-PATENT-APPL-SN-785615 US-PATENT-CLASS-2-2.1 US-PATENT-3,624,839	N72-20380* #	c 14	NASA-CASE-LAR-10176-1 US-PATENT-APPL-SN-811038 US-PATENT-CLASS-95-18 US-PATENT-3,626,828	N72-21199* #	c 08	NASA-CASE-NPO-10743 US-PATENT-APPL-SN-850587 US-PATENT-CLASS-340-174CS US-PATENT-CLASS-340-174LC US-PATENT-CLASS-340-174M US-PATENT-CLASS-340-174SR US-PATENT-3,613,110
N72-20121* #	c 06	NASA-CASE-NPO-10765 US-PATENT-APPL-SN-770425 US-PATENT-CLASS-260-544F US-PATENT-3,637,842	N72-20381* #	c 14	NASA-CASE-GSC-10503-1 US-PATENT-APPL-SN-789044 US-PATENT-CLASS-250-83.6R US-PATENT-3,626,189	N72-21200* #	c 08	NASA-CASE-NPO-11018 US-PATENT-APPL-SN-873259 US-PATENT-CLASS-340-347AD US-PATENT-3,613,111
N72-20140* #	c 07	NASA-CASE-NPO-10844 US-PATENT-APPL-SN-839934 US-PATENT-CLASS-178-69.5R US-PATENT-CLASS-179-15BS US-PATENT-CLASS-325-321 US-PATENT-CLASS-325-38 US-PATENT-CLASS-325-4 US-PATENT-CLASS-325-58 US-PATENT-3,626,298	N72-20442* #	c 15	NASA-CASE-GSC-10607-1 US-PATENT-APPL-SN-27340 US-PATENT-CLASS-251-129 US-PATENT-CLASS-251-333 US-PATENT-3,632,081	N72-21243* #	c 09	NASA-CASE-LEW-11005-1 US-PATENT-APPL-SN-86548 US-PATENT-CLASS-323-DIG.1 US-PATENT-CLASS-323-22T US-PATENT-CLASS-323-38 US-PATENT-3,638,103
N72-20141* #	c 07	NASA-CASE-ERC-10179 US-PATENT-APPL-SN-50207 US-PATENT-CLASS-325-445 US-PATENT-CLASS-329-161 US-PATENT-CLASS-329-162 US-PATENT-CLASS-332-51W US-PATENT-CLASS-333-73W US-PATENT-CLASS-343-772 US-PATENT-CLASS-343-773 US-PATENT-CLASS-343-786 US-PATENT-3,633,110	N72-20443* #	c 15	NASA-CASE-NPO-10671 US-PATENT-APPL-SN-857967 US-PATENT-CLASS-188-1B US-PATENT-CLASS-188-1C US-PATENT-CLASS-188-268 US-PATENT-3,637,051	N72-21244* #	c 09	NASA-CASE-LAR-10545-1 US-PATENT-APPL-SN-31703 US-PATENT-CLASS-343-771 US-PATENT-CLASS-343-893 US-PATENT-3,638,224
N72-20154* #	c 07	NASA-CASE-NPO-11243 US-PATENT-APPL-SN-177753 NASA-CASE-NPO-11130 US-PATENT-APPL-SN-21508 US-PATENT-CLASS-235-152 US-PATENT-CLASS-235-92CC US-PATENT-CLASS-235-92DE US-PATENT-CLASS-235-92DM US-PATENT-CLASS-235-92LG US-PATENT-CLASS-235-92R US-PATENT-CLASS-340-347DA US-PATENT-CLASS-340-347DD US-PATENT-3,632,996	N72-20444* #	c 15	NASA-CASE-FRC-10038 US-PATENT-APPL-SN-889554 US-PATENT-CLASS-29-412 US-PATENT-CLASS-29-426 US-PATENT-CLASS-29-527.2 US-PATENT-CLASS-29-624 US-PATENT-CLASS-51-216 US-PATENT-CLASS-51-320 US-PATENT-CLASS-51-323 US-PATENT-3,636,623	N72-21245* #	c 09	NASA-CASE-ARC-10192 US-PATENT-APPL-SN-15024 US-PATENT-CLASS-307-230 US-PATENT-CLASS-307-295 US-PATENT-CLASS-328-142 US-PATENT-CLASS-328-167 US-PATENT-CLASS-330-70R US-PATENT-CLASS-330-85 US-PATENT-CLASS-333-80 US-PATENT-3,621,407
N72-20177* #	c 08	NASA-CASE-NPO-10748 US-PATENT-APPL-SN-63383 US-PATENT-CLASS-324-77G US-PATENT-3,631,339	N72-20445* #	c 15	NASA-CASE-NPO-10704 US-PATENT-APPL-SN-59895 US-PATENT-CLASS-138-178 US-PATENT-CLASS-285-18 US-PATENT-CLASS-285-345 US-PATENT-3,632,140	N72-21246* #	c 09	NASA-CASE-NPO-11134 US-PATENT-APPL-SN-883524 US-PATENT-CLASS-318-576 US-PATENT-CLASS-324-71R US-PATENT-CLASS-346-1 US-PATENT-CLASS-346-29 US-PATENT-3,624,659
N72-20199* #	c 09	NASA-CASE-NPO-10722 US-PATENT-APPL-SN-860492 US-PATENT-CLASS-200-81.9M US-PATENT-CLASS-335-205 US-PATENT-3,632,923	N72-20446* #	c 15	NASA-CASE-MFS-20698 US-PATENT-APPL-SN-3418 US-PATENT-CLASS-100-299 US-PATENT-CLASS-23-209.1 US-PATENT-CLASS-264-22 US-PATENT-CLASS-425-77 US-PATENT-3,632,242	N72-21247* #	c 09	NASA-CASE-KSC-10393 US-PATENT-APPL-SN-71047 US-PATENT-CLASS-307-257 US-PATENT-CLASS-307-259 US-PATENT-CLASS-331-111 US-PATENT-CLASS-331-14 US-PATENT-CLASS-331-23 US-PATENT-CLASS-331-30 US-PATENT-3,614,648
N72-20200* #	c 09	NASA-CASE-NPO-10694 US-PATENT-APPL-SN-24224 US-PATENT-CLASS-339-275T US-PATENT-CLASS-339-276T US-PATENT-3,631,382	N72-20597* #	c 22	NASA-CASE-XLE-04599 US-PATENT-APPL-SN-751215 US-PATENT-CLASS-176-86G US-PATENT-3,629,068	N72-21248* #	c 09	NASA-CASE-LAR-10503-1
N72-20206* #	c 09	NASA-CASE-ERC-10468 US-PATENT-APPL-SN-144958	N72-20758* #	c 28	NASA-CASE-XNP-03282 US-PATENT-APPL-SN-745337 US-PATENT-CLASS-60-254			

N72-21310* #	c 12	US-PATENT-APPL-SN-229143 NASA-CASE-MFS-20829 US-PATENT-APPL-SN-61894 US-PATENT-CLASS-169-28 US-PATENT-CLASS-169-36 US-PATENT-3,613,794	N72-22162* #	c 08	US-PATENT-CLASS-343-853 US-PATENT-CLASS-343-912 US-PATENT-3,623,114 NASA-CASE-NPO-11333 US-PATENT-APPL-SN-78065 US-PATENT-CLASS-178-52 US-PATENT-CLASS-179-15A US-PATENT-CLASS-179-15BL US-PATENT-CLASS-307-243 US-PATENT-CLASS-307-251 US-PATENT-CLASS-328-104 US-PATENT-CLASS-328-154 US-PATENT-3,614,327	N72-22203* #	c 09	US-PATENT-CLASS-128-2R US-PATENT-CLASS-307-231 US-PATENT-CLASS-307-247 US-PATENT-CLASS-307-288 US-PATENT-CLASS-325-29 US-PATENT-CLASS-325-492 US-PATENT-CLASS-340-171 US-PATENT-CLASS-340-203 US-PATENT-3,621,290 NASA-CASE-XER-11046 US-PATENT-APPL-SN-810579 US-PATENT-CLASS-321-15 US-PATENT-CLASS-321-2 US-PATENT-CLASS-321-45 US-PATENT-CLASS-331-117 US-PATENT-3,621,362
N72-21405* #	c 14	NASA-CASE-NPO-10832 US-PATENT-APPL-SN-22265 US-PATENT-CLASS-73-141A US-PATENT-3,623,360	N72-22163* #	c 08	NASA-CASE-MSC-13110-1 US-PATENT-APPL-SN-23132 US-PATENT-CLASS-340-347AD US-PATENT-3,614,772	N72-22204* #	c 09	NASA-CASE-LAR-10137-1 US-PATENT-APPL-SN-881041 US-PATENT-CLASS-200-81R US-PATENT-CLASS-200-82C US-PATENT-3,609,271
N72-21407* #	c 14	NASA-CASE-MFS-20642 US-PATENT-APPL-SN-873793 US-PATENT-CLASS-73-147 US-PATENT-3,623,361	N72-22164* #	c 08	US-PATENT-CLASS-178-72R US-PATENT-3,621,130 NASA-CASE-NPO-11104 US-PATENT-APPL-SN-860750 US-PATENT-CLASS-235-150.52 US-PATENT-CLASS-235-150.53 US-PATENT-CLASS-235-183 US-PATENT-CLASS-235-194 US-PATENT-CLASS-235-197 US-PATENT-CLASS-340-347R US-PATENT-3,621,228	N72-22235* #	c 10	NASA-CASE-GSC-10064-1 US-PATENT-APPL-SN-802812 US-PATENT-CLASS-343-16M US-PATENT-CLASS-343-7.4 US-PATENT-CLASS-343-779 US-PATENT-CLASS-343-786 US-PATENT-3,623,094
N72-21408* #	c 14	NASA-CASE-MSC-13332-1 US-PATENT-APPL-SN-77169 US-PATENT-CLASS-250-43.5R US-PATENT-CLASS-250-83.3H US-PATENT-3,614,431	N72-22165* #	c 08	US-PATENT-CLASS-340-347R US-PATENT-3,621,228 NASA-CASE-NPO-10560 US-PATENT-APPL-SN-856282 US-PATENT-CLASS-235-153 US-PATENT-CLASS-324-73AT US-PATENT-CLASS-340-347AD US-PATENT-3,603,772	N72-22236* #	c 10	NASA-CASE-GSC-10878-1 US-PATENT-APPL-SN-889423 US-PATENT-CLASS-307-206 US-PATENT-CLASS-307-215 US-PATENT-CLASS-307-322 US-PATENT-CLASS-307-323 US-PATENT-3,621,277
N72-21409* #	c 14	NASA-CASE-MSC-12105-1 US-PATENT-APPL-SN-763743 US-PATENT-CLASS-356-17 US-PATENT-CLASS-356-18 US-PATENT-3,614,228	N72-22166* #	c 08	US-PATENT-CLASS-340-347R US-PATENT-3,621,228 NASA-CASE-NPO-10560 US-PATENT-APPL-SN-856282 US-PATENT-CLASS-235-153 US-PATENT-CLASS-324-73AT US-PATENT-CLASS-340-347AD US-PATENT-3,603,772	N72-22245* #	c 11	NASA-CASE-NPO-12109 US-PATENT-APPL-SN-690172 US-PATENT-CLASS-230-221 US-PATENT-CLASS-230-54 US-PATENT-3,612,391
N72-21462* #	c 15	NASA-CASE-NPO-10679 US-PATENT-APPL-SN-848282 US-PATENT-CLASS-74-89.15 US-PATENT-3,614,898	N72-22167* #	c 08	NASA-CASE-NPO-11082 US-PATENT-APPL-SN-868529 US-PATENT-CLASS-235-152 US-PATENT-CLASS-340-146.1 US-PATENT-CLASS-340-348 US-PATENT-3,609,327	N72-22246* #	c 11	NASA-CASE-XLA-07430 US-PATENT-APPL-SN-867841 US-PATENT-CLASS-73-147 US-PATENT-3,620,076
N72-21463* #	c 15	NASA-CASE-MFS-20413 US-PATENT-APPL-SN-69209 US-PATENT-CLASS-74-469 US-PATENT-3,620,095	N72-22195* #	c 09	NASA-CASE-MFS-14710 US-PATENT-APPL-SN-852843 US-PATENT-CLASS-74-105 US-PATENT-3,614,899	N72-22247* #	c 11	NASA-CASE-NPO-11013 US-PATENT-APPL-SN-858695 US-PATENT-CLASS-42-1F US-PATENT-3,619,924
N72-21464* #	c 15	NASA-CASE-ARC-10176-1 US-PATENT-APPL-SN-889583 US-PATENT-CLASS-324-57R US-PATENT-CLASS-324-64 US-PATENT-CLASS-324-71R US-PATENT-3,624,496	N72-22196* #	c 09	NASA-CASE-ERC-10075-2 US-PATENT-APPL-SN-775870 US-PATENT-CLASS-321-14 US-PATENT-CLASS-321-19 US-PATENT-CLASS-321-2 US-PATENT-CLASS-321-25 US-PATENT-CLASS-323-56 US-PATENT-CLASS-323-89C US-PATENT-3,614,587	N72-22437* #	c 14	NASA-CASE-LAR-10496-1 US-PATENT-APPL-SN-12661 US-PATENT-CLASS-73-141A US-PATENT-3,611,798
N72-21465* #	c 15	NASA-CASE-GSC-10218-1 US-PATENT-APPL-SN-15022 US-PATENT-CLASS-141-23 US-PATENT-CLASS-195-127 US-PATENT-CLASS-222-135 US-PATENT-CLASS-222-309 US-PATENT-CLASS-222-71 US-PATENT-CLASS-23-253R US-PATENT-CLASS-23-259 US-PATENT-CLASS-73-425.6 US-PATENT-3,615,241	N72-22197* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565	N72-22438* #	c 14	NASA-CASE-ARC-10263-1 US-PATENT-APPL-SN-882122 US-PATENT-CLASS-73-398C US-PATENT-3,620,083
N72-21466* #	c 15	NASA-CASE-NPO-10440 US-PATENT-APPL-SN-756834 US-PATENT-CLASS-204-130 US-PATENT-CLASS-204-59 US-PATENT-3,616,338	N72-22198* #	c 09	US-PATENT-CLASS-10036 US-PATENT-APPL-SN-872602 US-PATENT-CLASS-307-237 US-PATENT-CLASS-307-254 US-PATENT-CLASS-307-317 US-PATENT-CLASS-328-1 US-PATENT-CLASS-328-151 US-PATENT-CLASS-73-88.5 US-PATENT-3,621,285	N72-22439* #	c 14	NASA-CASE-MFS-20890 US-PATENT-APPL-SN-103229 US-PATENT-CLASS-264-22 US-PATENT-CLASS-29-421 US-PATENT-CLASS-310-11 US-PATENT-CLASS-310-42 US-PATENT-3,626,218
N72-21489* #	c 15	NASA-CASE-XLA-10470 US-PATENT-APPL-SN-219436	N72-22199* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565	N72-22440* #	c 14	NASA-CASE-ARC-10154-1 US-PATENT-APPL-SN-793771 US-PATENT-CLASS-73-67.2 US-PATENT-3,620,003
N72-21624* #	c 21	NASA-CASE-HQN-10439 US-PATENT-APPL-SN-889551 US-PATENT-CLASS-244-1SA US-PATENT-3,637,170	N72-22200* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565	N72-22441* #	c 14	NASA-CASE-NPO-11002 US-PATENT-APPL-SN-856328 US-PATENT-CLASS-350-19 US-PATENT-CLASS-350-23 US-PATENT-CLASS-350-26 US-PATENT-CLASS-350-35 US-PATENT-CLASS-350-36 US-PATENT-CLASS-350-49 US-PATENT-CLASS-350-52 US-PATENT-3,612,645
N72-21701* #	c 26	NASA-CASE-ERC-10119 US-PATENT-APPL-SN-825258 US-PATENT-CLASS-307-299 US-PATENT-CLASS-317-234V US-PATENT-CLASS-317-235R US-PATENT-CLASS-331-107 US-PATENT-CLASS-332-31 US-PATENT-3,614,557	N72-22201* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565	N72-22442* #	c 14	NASA-CASE-MFS-21629 US-PATENT-APPL-SN-612265 US-PATENT-CLASS-324-61 US-PATENT-CLASS-73-304 US-PATENT-3,639,835
N72 21803* #	c 31	NASA-CASE-KSC-10622-1 US-PATENT-APPL-SN-149983 NASA-CASE-NPO-10591 US-PATENT-APPL-SN-776185 US-PATENT-CLASS-29-572 US-PATENT-3,616,528	N72-22202* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565	N72-22443* #	c 14	NASA-CASE-XGS-03736 US-PATENT-APPL-SN-749320 US-PATENT-CLASS-252-300 US-PATENT-CLASS-96-90PC US-PATENT-3,639,250
N72-22041* #	c 03	NASA-CASE-NPO-10591 US-PATENT-APPL-SN-776185 US-PATENT-CLASS-29-572 US-PATENT-3,616,528	N72-22203* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565	N72-22444* #	c 14	NASA-CASE-LAR-10523-1 US-PATENT-APPL-SN-32665 US-PATENT-CLASS-250-203 US-PATENT-CLASS-350-16 US-PATENT-CLASS-350-52 US-PATENT-CLASS-356-248 US-PATENT-3,647,276
N72-22042* #	c 03	NASA-CASE-NPO-10747 US-PATENT-APPL-SN-6616 US-PATENT-CLASS-136-89 US-PATENT-3,615,853	N72-22204* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565	N72-22445* #	c 14	NASA-CASE-LAR-10184
N72-22092* #	c 05	NASA-CASE-ARC-10275-1 US-PATENT-APPL-SN-21644 US-PATENT-CLASS-2-2.1A US-PATENT-3,636,564	N72-22205* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565			
N72-22093* #	c 05	NASA-CASE-MSC-12324-1 US-PATENT-APPL-SN-63384 US-PATENT-CLASS-128-295 US-PATENT-CLASS-4-110 US-PATENT-CLASS-4-99 US-PATENT-3,602,923	N72-22206* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565			
N72-22107* #	c 06	NASA-CASE-NPO-10862 US-PATENT-APPL-SN-810815 US-PATENT-CLASS-260-877 US-PATENT-3,639,510	N72-22207* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565			
N72-22127* #	c 07	NASA-CASE-NPO-10303 US-PATENT-APPL-SN-848776 US-PATENT-CLASS-343-771 US-PATENT-CLASS-343-797	N72-22208* #	c 09	US-PATENT-CLASS-174-106R US-PATENT-CLASS-174-117FF US-PATENT-CLASS-174-36 US-PATENT-3,612,743 NASA-CASE-ERC-10222 US-PATENT-APPL-SN-832603 US-PATENT-CLASS-29-590 US-PATENT-3,621,565			

ACCESSION NUMBER INDEX

N72-25170

				N72-22771* #	c 28	NASA-CASE-LEW-10835-1 US-PATENT-APPL-SN-67815 US-PATENT-CLASS-60-202 US-PATENT-3,620,018	N72-24753* #	c 25	NASA-CASE-XNP-04167-2 US-PATENT-APPL-SN-866442 US-PATENT-CLASS-313-186 US-PATENT-CLASS-313-212 US-PATENT-CLASS-313-224 US-PATENT-CLASS-313-231 US-PATENT-CLASS-315-111 US-PATENT-CLASS-315-326 US-PATENT-CLASS-315-358 US-PATENT-CLASS-331-94.5 US-PATENT-3,617,804
N72-22482* #	c 15	NASA-CASE-XLA-04897 US-PATENT-APPL-SN-880249 US-PATENT-CLASS-73-133 US-PATENT-3,613,457		N72-22772* #	c 28	NASA-CASE-NPO-12072 US-PATENT-APPL-SN-82647 US-PATENT-CLASS-123-122AB US-PATENT-CLASS-137-81.5 US-PATENT-CLASS-261-145 US-PATENT-3,640,256	N72-25019* #	c 03	NASA-CASE-NPO-10575 US-PATENT-APPL-SN-6615 US-PATENT-CLASS-156-250 US-PATENT-CLASS-156-510 US-PATENT-3,654,036
N72-22483* #	c 15	NASA-CASE-XNP-09770-2 US-PATENT-APPL-SN-864039 US-PATENT-CLASS-209-349 US-PATENT-3,615,021		N72-22874* #	c 31	NASA-CASE-NPO-10883 US-PATENT-APPL-SN-26573 US-PATENT-CLASS-136-89 US-PATENT-CLASS-312-257 US-PATENT-3,620,846	N72-25020* #	c 03	NASA-CASE-GSC-11211-1 US-PATENT-APPL-SN-139528 US-PATENT-CLASS-235-92T US-PATENT-CLASS-307-141.8 US-PATENT-CLASS-320-48 US-PATENT-CLASS-324-29.5 US-PATENT-3,663,938
N72-22484* #	c 15	NASA-CASE-LAR-10031 US-PATENT-APPL-SN-867851 US-PATENT-CLASS-62-55.5 US-PATENT-3,625,018		N72-23048* #	c 03	NASA-CASE-NPO-11388 US-PATENT-APPL-SN-119282 US-PATENT-CLASS-310-2 US-PATENT-CLASS-321-2 US-PATENT-CLASS-322-2 US-PATENT-3,648,152	N72-25021* #	c 03	NASA-CASE-NPO-11118 US-PATENT-APPL-SN-8650 US-PATENT-CLASS-214-90R US-PATENT-3,666,120
N72-22485* #	c 15	NASA-CASE-MSC-13512-1 US-PATENT-APPL-SN-73932 US-PATENT-CLASS-74-501R US-PATENT-3,625,084		N72-23085* #	c 05	NASA-CASE-LAR-10102-1 US-PATENT-APPL-SN-13266 US-PATENT-CLASS-224-25A US-PATENT-3,649,921	N72-25119* #	c 05	NASA-CASE-MSC-12397-1 US-PATENT-APPL-SN-785613 US-PATENT-CLASS-2-115 US-PATENT-CLASS-2-2.1 US-PATENT-3,660,851
N72-22486* #	c 15	NASA-CASE-KSC-10031 US-PATENT-APPL-SN-98773 US-PATENT-CLASS-220-5R US-PATENT-CLASS-317-101DH US-PATENT-CLASS-317-117 US-PATENT-CLASS-317-120 US-PATENT-3,639,809		N72-23171* #	c 09	NASA-CASE-GSC-10221-1 US-PATENT-APPL-SN-779025 US-PATENT-CLASS-307-252N US-PATENT-CLASS-307-252R US-PATENT-CLASS-307-259 US-PATENT-CLASS-307-305 US-PATENT-3,621,294	N72-25120* #	c 05	NASA-CASE-MSC-90153-2 US-PATENT-APPL-SN-844225 US-PATENT-CLASS-106-209 US-PATENT-CLASS-128-2.1 US-PATENT-CLASS-128-417 US-PATENT-CLASS-252-514 US-PATENT-CLASS-264-104 US-PATENT-3,665,064
N72-22487* #	c 15	NASA-CASE-GSC-10303 US-PATENT-APPL-SN-802813 US-PATENT-CLASS-29-473.1 US-PATENT-3,619,896		N72-23172* #	c 09	NASA-CASE-LAR-10320-1 US-PATENT-APPL-SN-18427 US-PATENT-CLASS-324-20R US-PATENT-3,649,907	N72-25121* #	c 05	NASA-CASE-FRC-10029-2 US-PATENT-APPL-SN-78704 US-PATENT-CLASS-156-264 US-PATENT-CLASS-156-308 US-PATENT-CLASS-29-25.14 US-PATENT-CLASS-29-25.18 US-PATENT-CLASS-29-482 US-PATENT-CLASS-29-630A US-PATENT-3,662,441
N72-22488* #	c 15	NASA-CASE-MSC-11849-1 US-PATENT-APPL-SN-6617 US-PATENT-CLASS-85-1 US-PATENT-3,623,394		N72-23173* #	c 09	NASA-CASE-ERC-10267 US-PATENT-APPL-SN-41348 US-PATENT-CLASS-235-197 US-PATENT-CLASS-307-229 US-PATENT-CLASS-328-145 US-PATENT-3,648,043	N72-25122* #	c 05	NASA-CASE-MSC-13609-1 US-PATENT-APPL-SN-94347 US-PATENT-CLASS-128-2N US-PATENT-3,662,744
N72-22489* #	c 15	NASA-CASE-GSC-10518-1 US-PATENT-APPL-SN-789045 US-PATENT-CLASS-417-152 US-PATENT-CLASS-55-446 US-PATENT-CLASS-55-464 US-PATENT-3,623,828		N72-23215* #	c 11	NASA-CASE-MFS-20710 US-PATENT-APPL-SN-114848 US-PATENT-CLASS-13-20 US-PATENT-CLASS-13-31 US-PATENT-3,647,924	N72-25146* #	c 06	NASA-CASE-NPO-11322 US-PATENT-APPL-SN-87550 US-PATENT-CLASS-250-43.5R US-PATENT-CLASS-73-23.1 US-PATENT-3,666,942
N72-22490* #	c 15	NASA-CASE-LEW-10856-1 US-PATENT-APPL-SN-3417 US-PATENT-CLASS-308-195 US-PATENT-3,620,585		N72-23457* #	c 14	NASA-CASE-MSC-12297 US-PATENT-APPL-SN-792623 US-PATENT-CLASS-55-493 US-PATENT-CLASS-55-498 US-PATENT-CLASS-55-502 US-PATENT-CLASS-55-521 US-PATENT-3,650,095	N72-25147* #	c 06	NASA-CASE-ARC-10325 US-PATENT-APPL-SN-63610 US-PATENT-CLASS-260-2.5FP US-PATENT-3,663,464
N72-22491* #	c 15	NASA-CASE-GSC-10913 US-PATENT-APPL-SN-889558 US-PATENT-CLASS-219-158 US-PATENT-CLASS-219-234 US-PATENT-CLASS-219-85 US-PATENT-CLASS-228-57 US-PATENT-CLASS-29-628 US-PATENT-3,621,194		N72-23497* #	c 15	NASA-CASE-KSC-10242 US-PATENT-APPL-SN-73834 US-PATENT-CLASS-219-109 US-PATENT-CLASS-219-234 US-PATENT-CLASS-219-85 US-PATENT-CLASS-324-65R US-PATENT-3,621,193	N72-25148* #	c 06	NASA-CASE-MFS-13994-2 US-PATENT-APPL-SN-870689 US-PATENT-CLASS-260-348SC US-PATENT-3,660,434
N72-22492* #	c 15	NASA-CASE-MFS-20482 US-PATENT-APPL-SN-6610 US-PATENT-CLASS-29-472.9 US-PATENT-CLASS-29-473.1 US-PATENT-3,602,979		N72-23581* #	c 18	NASA-CASE-GSC-10361-1 US-PATENT-APPL-SN-700040 US-PATENT-CLASS-106-84 US-PATENT-3,620,784	N72-25149* #	c 06	NASA-CASE-GSC-10565-1 US-PATENT-APPL-SN-822039 US-PATENT-CLASS-195-103.5R US-PATENT-CLASS-195-28N US-PATENT-CLASS-260-211.5 US-PATENT-3,660,240
N72-22520* #	c 16</								

		US-PATENT-CLASS-333-98R				US-PATENT-3,659,184				US-PATENT-CLASS-73-422TC
		US-PATENT-CLASS-333-98S				NASA-CASE-ERC-10268				US-PATENT-3,662,604
		US-PATENT-3,649,935				US-PATENT-APPL-SN-39342				NASA-CASE-ERC-10174
N72-25171* #	c 07	NASA-CASE-MFS-21042				US-PATENT-CLASS-321-11				US-PATENT-APPL-SN-39344
		US-PATENT-APPL-SN-86417				US-PATENT-CLASS-321-18				US-PATENT-CLASS-250-209
		US-PATENT-CLASS-102-34.4				US-PATENT-CLASS-321-19				US-PATENT-CLASS-250-226
		US-PATENT-CLASS-325-114				US-PATENT-CLASS-321-2				US-PATENT-CLASS-250-83.3UV
		US-PATENT-CLASS-325-4				US-PATENT-CLASS-321-45ER				US-PATENT-CLASS-350-203
		US-PATENT-CLASS-343-6.5R				US-PATENT-CLASS-321-45R				US-PATENT-3,657,549
		US-PATENT-3,667,044				US-PATENT-3,663,940				NASA-CASE-ERC-10292
N72-25172* #	c 07	NASA-CASE-NPO-11358				NASA-CASE-GSC-11126-1				US-PATENT-APPL-SN-45519
		US-PATENT-APPL-SN-116786				US-PATENT-APPL-SN-98640				US-PATENT-CLASS-350-160R
		US-PATENT-CLASS-179-15BV				US-PATENT-CLASS-321-2				US-PATENT-CLASS-73-515
		US-PATENT-CLASS-340-172.5				US-PATENT-CLASS-321-47				US-PATENT-CLASS-73-521
		US-PATENT-3,665,417				US-PATENT-CLASS-331-113A				US-PATENT-3,657,928
N72-25173* #	c 07	NASA-CASE-ERC-10324				US-PATENT-3,663,941				NASA-CASE-MSC-15626-1
		US-PATENT-APPL-SN-54270				NASA-CASE-NPO-10760				US-PATENT-APPL-SN-94374
		US-PATENT-CLASS-178-69.5				US-PATENT-APPL-SN-129071				US-PATENT-CLASS-116-114AH
		US-PATENT-CLASS-325-141				US-PATENT-CLASS-321-2				US-PATENT-CLASS-73-12
		US-PATENT-CLASS-325-302				US-PATENT-CLASS-321-45R				US-PATENT-CLASS-73-392
		US-PATENT-CLASS-325-325				US-PATENT-CLASS-331-113A				US-PATENT-3,656,352
		US-PATENT-CLASS-325-38				US-PATENT-3,663,944				NASA-CASE-MFS-15063
		US-PATENT-CLASS-325-51				NASA-CASE-LAR-10620-1				US-PATENT-APPL-SN-51477
		US-PATENT-CLASS-325-55				US-PATENT-APPL-SN-125979				US-PATENT-CLASS-178-DIG.8
		US-PATENT-CLASS-325-58				US-PATENT-CLASS-310-10				US-PATENT-CLASS-178-6.8
		US-PATENT-CLASS-325-64				US-PATENT-CLASS-310-15				US-PATENT-CLASS-340-227R
		US-PATENT-CLASS-340-167				US-PATENT-3,663,843				US-PATENT-3,659,043
		US-PATENT-3,665,313				NASA-CASE-XLA-02609				NASA-CASE-GSC-10879-1
N72-25174* #	c 07	NASA-CASE-NPO-11264				US-PATENT-APPL-SN-41347				US-PATENT-APPL-SN-889420
		US-PATENT-APPL-SN-36531				US-PATENT-CLASS-333-79				US-PATENT-CLASS-195-127
		US-PATENT-CLASS-343-762				US-PATENT-CLASS-339-143R				US-PATENT-3,666,631
		US-PATENT-CLASS-343-777				US-PATENT-CLASS-339-147R				NASA-CASE-NPO-11311
		US-PATENT-CLASS-343-779				US-PATENT-3,663,929				US-PATENT-APPL-SN-57252
		US-PATENT-CLASS-343-786				NASA-CASE-MSC-12395				US-PATENT-CLASS-178-7.92
		US-PATENT-CLASS-343-853				US-PATENT-APPL-SN-134573				US-PATENT-CLASS-350-175FS
		US-PATENT-3,665,481				US-PATENT-CLASS-307-233				US-PATENT-3,663,753
N72-25206* #	c 08	NASA-CASE-KSC-10397				US-PATENT-CLASS-324-186				NASA-CASE-HQN-10756-1
		US-PATENT-APPL-SN-25488				US-PATENT-CLASS-324-78D				US-PATENT-APPL-SN-236052
		US-PATENT-CLASS-235-154				US-PATENT-CLASS-328-136				NASA-CASE-LEW-10489-1
		US-PATENT-CLASS-340-347DA				US-PATENT-CLASS-328-140				US-PATENT-APPL-SN-898682
		US-PATENT-3,648,275				US-PATENT-3,663,885				US-PATENT-CLASS-117-107
N72-25207* #	c 08	NASA-CASE-NPO-11161				NASA-CASE-LAR-10253-1				US-PATENT-CLASS-117-211
		US-PATENT-APPL-SN-889374				US-PATENT-APPL-SN-99175				US-PATENT-CLASS-117-217
		US-PATENT-CLASS-340-146.1				US-PATENT-CLASS-307-88.3				US-PATENT-CLASS-117-62
		US-PATENT-CLASS-340-172.5				US-PATENT-CLASS-330-4.5				US-PATENT-CLASS-117-93.16D
		US-PATENT-3,648,256				US-PATENT-3,663,886				US-PATENT-CLASS-117-93.16D
N72-25208* #	c 08	NASA-CASE-NPO-11338				NASA-CASE-GSC-10695-1				US-PATENT-CLASS-29-599
		US-PATENT-APPL-SN-89212				US-PATENT-APPL-SN-889422				US-PATENT-3,649,356
		US-PATENT-CLASS-178-50				US-PATENT-CLASS-117-200				NASA-CASE-LEW-10450-1
		US-PATENT-CLASS-179-15BC				US-PATENT-CLASS-136-89				US-PATENT-APPL-SN-880271
		US-PATENT-CLASS-179-15FD				US-PATENT-CLASS-29-198				US-PATENT-CLASS-75-0.5BB
		US-PATENT-CLASS-325-62				US-PATENT-3,664,874				US-PATENT-CLASS-75-206
		US-PATENT-CLASS-332-21				NASA-CASE-NPO-11283				US-PATENT-CLASS-75-213
		US-PATENT-3,659,053				US-PATENT-APPL-SN-118270				US-PATENT-3,649,242
N72-25209* #	c 08	NASA-CASE-NPO-11194				US-PATENT-CLASS-310-4				NASA-CASE-NPO-11202
		US-PATENT-APPL-SN-63532				US-PATENT-3,663,839				US-PATENT-APPL-SN-66004
		US-PATENT-CLASS-343-12R				NASA-CASE-ERC-10224				US-PATENT-CLASS-285-DIG.21
		US-PATENT-CLASS-343-14				US-PATENT-APPL-SN-868775				US-PATENT-CLASS-285-3
		US-PATENT-CLASS-343-6.5R				US-PATENT-CLASS-29-492				US-PATENT-CLASS-285-316
		US-PATENT-3,659,292				US-PATENT-CLASS-29-497				US-PATENT-CLASS-285-33
N72-25210* #	c 08	NASA-CASE-NPO-10636				US-PATENT-CLASS-29-498				US-PATENT-CLASS-339-45M
		US-PATENT-APPL-SN-77221				US-PATENT-CLASS-29-502				US-PATENT-CLASS-339-91B
		US-PATENT-CLASS-235-152				US-PATENT-CLASS-29-589				US-PATENT-3,656,781
		US-PATENT-CLASS-340-146.1AL				US-PATENT-CLASS-29-628				NASA-CASE-NPO-10606
		US-PATENT-3,662,337				US-PATENT-3,665,589				US-PATENT-APPL-SN-8636
N72-25247* #	c 09	NASA-CASE-LAR-10163-1				NASA-CASE-NPO-11078				US-PATENT-CLASS-251-360
		US-PATENT-APPL-SN-73310				US-PATENT-APPL-SN-82280				US-PATENT-3,658,295
		US-PATENT-CLASS-343-708				US-PATENT-CLASS-307-103				NASA-CASE-LEW-10965-1
		US-PATENT-CLASS-343-771				US-PATENT-CLASS-307-83				US-PATENT-APPL-SN-876588
		US-PATENT-CLASS-343-873				US-PATENT-CLASS-323-48				US-PATENT-CLASS-117-124C
		US-PATENT-3,653,052				US-PATENT-CLASS-323-82				US-PATENT-CLASS-117-152
N72-25248* #	c 09	NASA-CASE-NPO-11342				US-PATENT-3,663,828				US-PATENT-CLASS-117-16R
		US-PATENT-APPL-SN-89209				NASA-CASE-LAR-10507-1				US-PATENT-CLASS-117-37
		US-PATENT-CLASS-340-172.5				US-PATENT-APPL-SN-874177				US-PATENT-CLASS-117-47R
		US-PATENT-CLASS-340-324A				US-PATENT-CLASS-195-127				US-PATENT-CLASS-117-62
		US-PATENT-3,648,250				US-PATENT-3,649,462				US-PATENT-CLASS-117-93.3
N72-25249* #	c 09	NASA-CASE-GSC-10656-1				NASA-CASE-LAR-10546-1				US-PATENT-CLASS-204-157.18AG
		US-PATENT-APPL-SN-59969				US-PATENT-APPL-SN-32664				US-PATENT-CLASS-204-49
		US-PATENT-CLASS-321-2				US-PATENT-CLASS-287-54A				US-PATENT-CLASS-250-65F
		US-PATENT-CLASS-323-DIG.17				US-PATENT-CLASS-52-648				US-PATENT-CLASS-96-36.2
		US-PATENT-CLASS-323-17				US-PATENT-CLASS-52-655				US-PATENT-3,658,569
		US-PATENT-CLASS-323-22T				US-PATENT-3,665,670				NASA-CASE-KSC-10513
		US-PATENT-3,621,372				NASA-CASE-MFS-20434				US-PATENT-APPL-SN-61535
N72-25250* #	c 09	NASA-CASE-KSC-10565				US-PATENT-APPL-SN-55534				US-PATENT-CLASS-187-1
		US-PATENT-APPL-SN-98517				US-PATENT-CLASS-73-140				US-PATENT-CLASS-187-20
		US-PATENT-CLASS-315-135				US-PATENT-CLASS-73-161				US-PATENT-CLASS-187-95
		US-PATENT-CLASS-315-349				US-PATENT-3,665,758				US-PATENT-CLASS-254-190
		US-PATENT-CLASS-330-2				NASA-CASE-NPO-11556				US-PATENT-3,666,051
		US-PATENT-CLASS-330-59				US-PATENT-APPL-SN-82648				NASA-CASE-MSC-12233-1
		US-PATENT-CLASS-340-332				US-PATENT-CLASS-210-188				US-PATENT-APPL-SN-73422
		US-PATENT-3,659,148				US-PATENT-CLASS-310-11				US-PATENT-CLASS-52-169
N72-25251* #	c 09	NASA-CASE-ERC-10048				US-PATENT-3,648,083				US-PATENT-CLASS-52-173
		US-PATENT-APPL-SN-10329				NASA-CASE-NPO-11373				US-PATENT-CLASS-52-594
		US-PATENT-CLASS-307-261				US-PATENT-APPL-SN-81095				US-PATENT-3,665,669
		US-PATENT-CLASS-321-18				US-PATENT-CLASS-73-421.5R				NASA-CASE-NPO-11095
		US-PATENT-CLASS-321-2				US-PATENT-CLASS-73-422GC				US-PATENT-APPL-SN-19585
										US-PATENT-CLASS-239-424

		US-PATENT-CLASS-60-258			US-PATENT-CLASS-73-15R			US-PATENT-CLASS-73-103
		US-PATENT-CLASS-60-39.74A			US-PATENT-3.665,750			US-PATENT-CLASS-73-71.6
		US-PATENT-3.662,547			NASA-CASE-NPO-10753			US-PATENT-3.670,563
N72-25456* #	c 15	NASA-CASE-NPO-11222	N72-26031* #	c 03	US-PATENT-APPL-SN-844355	N72-27484* #	c 15	NASA-CASE-NPO-10721
		US-PATENT-APPL-SN-59893			US-PATENT-CLASS-136-202			US-PATENT-APPL-SN-59968
		US-PATENT-CLASS-310-68			US-PATENT-3.666,566			US-PATENT-CLASS-248-188.4
		US-PATENT-CLASS-310-80	N72-26371* #	c 15	NASA-CASE-NPO-10244	N72-27485* #	c 15	US-PATENT-3.669,393
		US-PATENT-CLASS-310-83			US-PATENT-APPL-SN-43327			NASA-CASE-XLA-09843
		US-PATENT-3.660,704			US-PATENT-CLASS-308-2A			US-PATENT-APPL-SN-60876
N72-25457* #	c 15	NASA-CASE-ERC-10325			US-PATENT-CLASS-73-136R			US-PATENT-CLASS-83-522
		US-PATENT-APPL-SN-43884			US-PATENT-3.664,185			US-PATENT-CLASS-83-562
		US-PATENT-CLASS-324-158D	N72-27053* #	c 03	NASA-CASE-GSC-10344-1			US-PATENT-CLASS-83-563
		US-PATENT-CLASS-324-158T			US-PATENT-APPL-SN-785078			US-PATENT-CLASS-83-588
		US-PATENT-3.665,307			US-PATENT-CLASS-136-89			US-PATENT-CLASS-83-8
N72-25485* #	c 16	NASA-CASE-ERC-10283			US-PATENT-3.672,999	N72-27728* #	c 23	US-PATENT-3.668,956
		US-PATENT-APPL-SN-39185	N72-27102* #	c 05	NASA-CASE-LAR-10365-1			NASA-CASE-ARC-10160-1
		US-PATENT-CLASS-331-94.5			US-PATENT-APPL-SN-3151			US-PATENT-APPL-SN-867842
		US-PATENT-CLASS-332-7.51			US-PATENT-CLASS-210-103			US-PATENT-CLASS-178-DIG.20
		US-PATENT-3.659,225			US-PATENT-CLASS-210-104			US-PATENT-CLASS-178-6.5
N72-25539* #	c 18	NASA-CASE-LEW-10424-2.2			US-PATENT-CLASS-210-110			US-PATENT-CLASS-350-138
		US-PATENT-APPL-SN-15222			US-PATENT-CLASS-210-137	N72-27784* #	c 26	US-PATENT-3.670,097
		US-PATENT-CLASS-75-DIG.1			US-PATENT-3.670,890			NASA-CASE-LAR-10836-1
		US-PATENT-CLASS-75-208	N72-27103* #	c 05	NASA-CASE-MS-13648			US-PATENT-APPL-SN-138227
		US-PATENT-CLASS-75-211			US-PATENT-APPL-SN-87222			US-PATENT-CLASS-350-161
		US-PATENT-CLASS-75-226			US-PATENT-CLASS-128-DIG.4			US-PATENT-3.671,105
		US-PATENT-3.653,882			US-PATENT-CLASS-128-2.1E	N72-27959* #	c 33	NASA-CASE-LAR-10800-1
N72-25540* #	c 18	NASA-CASE-ERC-10364			US-PATENT-CLASS-128-417			US-PATENT-APPL-SN-154094
		US-PATENT-APPL-SN-55537			US-PATENT-3.669,110			US-PATENT-CLASS-73-35
		US-PATENT-CLASS-161-127	N72-27144* #	c 06	NASA-CASE-NPO-10768-2	N72-28025* #	c 03	US-PATENT-3.670,559
		US-PATENT-CLASS-161-68			US-PATENT-APPL-SN-770398			NASA-CASE-NPO-10633
		US-PATENT-CLASS-161-7			US-PATENT-APPL-SN-99524			US-PATENT-APPL-SN-885521
		US-PATENT-CLASS-52-DIG.10			US-PATENT-CLASS-260-535H			US-PATENT-CLASS-165-20
		US-PATENT-CLASS-52-80			US-PATENT-CLASS-260-77.5AP			US-PATENT-CLASS-165-3
		US-PATENT-3.663,347			US-PATENT-3.671,497			US-PATENT-3.675,712
N72-25541* #	c 18	NASA-CASE-ERC-10363	N72-27151* #	c 06	NASA-CASE-NPO-10767-2	N72-28225* #	c 09	NASA-CASE-MFS-20757
		US-PATENT-APPL-SN-57253			US-PATENT-APPL-SN-241061			US-PATENT-APPL-SN-136006
		US-PATENT-CLASS-161-127	N72-27226* #	c 09	NASA-CASE-LEW-10330-1			US-PATENT-CLASS-339-176MF
		US-PATENT-CLASS-161-68			US-PATENT-APPL-SN-110402			US-PATENT-CLASS-339-218M
		US-PATENT-CLASS-161-7			US-PATENT-CLASS-336-198			US-PATENT-CLASS-339-75MP
		US-PATENT-CLASS-52-DIG.10			US-PATENT-CLASS-336-220			US-PATENT-CLASS-339-94M
		US-PATENT-CLASS-52-80			US-PATENT-CLASS-336-60			US-PATENT-3.670,290
		US-PATENT-3.663,346	N72-27227* #	c 09	US-PATENT-3.648,209	N72-28240* #	c 10	NASA-CASE-ARC-10265-1
N72-25595* #	c 21	NASA-CASE-MS-13397-1			NASA-CASE-KSC-10644			US-PATENT-APPL-SN-64709
		US-PATENT-APPL-SN-59966			US-PATENT-APPL-SN-114849			US-PATENT-CLASS-324-41
		US-PATENT-CLASS-244-1SA			US-PATENT-CLASS-307-118			US-PATENT-CLASS-340-258
		US-PATENT-CLASS-244-23A			US-PATENT-CLASS-307-92			US-PATENT-3.676,772
		US-PATENT-3.662,973			US-PATENT-CLASS-340-240	N72-28241* #	c 10	NASA-CASE-GSC-10786-1
N72-25619* #	c 23	NASA-CASE-NPO-10634			US-PATENT-3.673,424			US-PATENT-APPL-SN-773072
		US-PATENT-APPL-SN-112999	N72-27228* #	c 09	NASA-CASE-NPO-10542			US-PATENT-CLASS-330-29
		US-PATENT-CLASS-62-475			US-PATENT-APPL-SN-767741			US-PATENT-3.533,006
		US-PATENT-CLASS-62-6			US-PATENT-CLASS-310-4	N72-28436* #	c 14	NASA-CASE-XLA-06683
		US-PATENT-CLASS-62-80			US-PATENT-3.673,440			US-PATENT-APPL-SN-10827
		US-PATENT-CLASS-62-85	N72-27246* #	c 10	NASA-CASE-ERC-10015-2			US-PATENT-CLASS-33-1SA
		US-PATENT-3.656,313			US-PATENT-APPL-SN-763744			US-PATENT-CLASS-33-75R
N72-25679* #	c 26	NASA-CASE-XER-07895			US-PATENT-APPL-SN-97343			US-PATENT-3.675,332
		US-PATENT-APPL-SN-651627			US-PATENT-CLASS-313-309	N72-28437* #	c 14	NASA-CASE-ERC-10081
		US-PATENT-CLASS-317-234J			US-PATENT-CLASS-313-336			US-PATENT-APPL-SN-877990
		US-PATENT-CLASS-317-235A			US-PATENT-CLASS-313-351			US-PATENT-CLASS-325-363
		US-PATENT-CLASS-317-235AJ			US-PATENT-CLASS-315-36			US-PATENT-CLASS-343-100ME
		US-PATENT-CLASS-317-235R			US-PATENT-3.671,798			US-PATENT-CLASS-343-112D
		US-PATENT-CLASS-331-107G	N72-27262* #	c 11	NASA-CASE-MFS-20620			US-PATENT-CLASS-73-355
		US-PATENT-3.667,010			US-PATENT-APPL-SN-154935			US-PATENT-3.665,467
N72-25680* #	c 26	NASA-CASE-ERC-10275			US-PATENT-CLASS-73-117.1	N72-28438* #	c 14	NASA-CASE-XLA-04980-2
		US-PATENT-APPL-SN-47061			US-PATENT-CLASS-73-432SD			US-PATENT-APPL-SN-577548
		US-PATENT-CLASS-324-92			US-PATENT-3.670,564			US-PATENT-APPL-SN-763040
		US-PATENT-CLASS-324-96	N72-27408* #	c 14	NASA-CASE-NPO-11147			US-PATENT-CLASS-148-187
		US-PATENT-CLASS-340-324R			US-PATENT-APPL-SN-63195			US-PATENT-3.549,435
		US-PATENT-CLASS-350-150			US-PATENT-CLASS-324-79R	N72-28495* #	c 15	NASA-CASE-MFS-14405
		US-PATENT-CLASS-350-160R			US-PATENT-CLASS-328-189			US-PATENT-APPL-SN-73283
		US-PATENT-3.667,039			US-PATENT-CLASS-331-44			US-PATENT-CLASS-214-1CM
N72-25699* #	c 27	NASA-CASE-NPO-12000			US-PATENT-3.670,241			US-PATENT-CLASS-74-469
		US-PATENT-APPL-SN-74861	N72-27409* #	c 14	NASA-CASE-NPO-11201			US-PATENT-3.631,737
		US-PATENT-CLASS-149-19			US-PATENT-APPL-SN-77220	N72-28496* #	c 15	NASA-CASE-MFS-20433
		US-PATENT-CLASS-149-20			US-PATENT-CLASS-250-203R			US-PATENT-APPL-SN-114847
		US-PATENT-CLASS-149-36			US-PATENT-CLASS-250-225			US-PATENT-CLASS-52-1
		US-PATENT-CLASS-149-92			US-PATENT-CLASS-350-147			US-PATENT-CLASS-52-573
		US-PATENT-3.658,608			US-PATENT-CLASS-356-141			US-PATENT-3.675,376
N72-25842* #	c 31	NASA-CASE-MS-12372-1			US-PATENT-CLASS-356-152	N72-28521* #	c 16	NASA-CASE-NPO-11437
		US-PATENT-APPL-SN-64391			US-PATENT-3.670,168			US-PATENT-APPL-SN-63144
		US-PATENT-CLASS-95-12.5	N72-27410* #	c 14	NASA-CASE-XLE-05230			US-PATENT-CLASS-330-4
		US-PATENT-3.662,661			US-PATENT-APPL-SN-877717			US-PATENT-CLASS-331-94A
N72-25877* #	c 32	NASA-CASE-LAR-10270-1			US-PATENT-CLASS-136-233			US-PATENT-3.676,787
		US-PATENT-APPL-SN-60881			US-PATENT-3.671,329	N72-28535* #	c 17	NASA-CASE-XLE-06461-2
		US-PATENT-CLASS-73-100			US-PATENT-CLASS-136-233			US-PATENT-APPL-SN-156778
		US-PATENT-CLASS-73-15.6	N72-27411* #	c 14	NASA-CASE-MS-12293-1			US-PATENT-APPL-SN-853855
		US-PATENT-3.665,751			US-PATENT-APPL-SN-59956			US-PATENT-CLASS-266-24
N72-25911* #	c 33	NASA-CASE-LEW-10359			US-PATENT-CLASS-250-205			US-PATENT-3.675,910
		US-PATENT-APPL-SN-47063			US-PATENT-CLASS-315-151	N72-28536* #	c 17	NASA-CASE-XLE-03940-2
		US-PATENT-CLASS-102-105			US-PATENT-CLASS-315-156			US-PATENT-APPL-SN-539255
		US-PATENT-CLASS-60-200A			US-PATENT-CLASS-315-158			US-PATENT-APPL-SN-793657
		US-PATENT-CLASS-60-265			US-PATENT-CLASS-315-297			US-PATENT-CLASS-29-182.5
		US-PATENT-CLASS-60-267			US-PATENT-CLASS-315-307			US-PATENT-3.676,084
		US-PATENT-CLASS-62-467			US-PATENT-CLASS-315-310	N72-28761* #	c 26	NASA-CASE-NPO-11775
		US-PATENT-3.656,317			US-PATENT-CLASS-315-311			US-PATENT-APPL-SN-162230
N72-25913* #	c 33	NASA-CASE-XMS-09690			US-PATENT-3.670,202			US-PATENT-CLASS-29-570
		US-PATENT-APPL-SN-853641	N72-27412* #	c 14	NASA-CASE-MFS-20523			
					US-PATENT-APPL-SN-77786			

[illegible]

- N73-13149* # c 07 NASA-CASE-NPO-11302-1
US-PATENT-APPL-SN-70967
US-PATENT-CLASS-178-69.5
US-PATENT-CLASS-235-150.53
US-PATENT-CLASS-235-181
US-PATENT-CLASS-325-325
US-PATENT-CLASS-340-146.1
US-PATENT-3,701,894
- N73-13187* # c 08 NASA-CASE-GSC-10975-1
US-PATENT-APPL-SN-100996
US-PATENT-CLASS-340-172.5
US-PATENT-3,702,463
- N73-13208* # c 09 NASA-CASE-LEW-11192-1
US-PATENT-APPL-SN-198285
US-PATENT-CLASS-315-3.5
US-PATENT-CLASS-315-5.38
US-PATENT-3,702,951
- N73-13209* # c 09 NASA-CASE-XLA-05099
US-PATENT-APPL-SN-98798
US-PATENT-CLASS-235-152
US-PATENT-CLASS-307-207
US-PATENT-CLASS-307-215
US-PATENT-3,700,868
- N73-13235* # c 10 NASA-CASE-KSC-10003
US-PATENT-APPL-SN-60883
US-PATENT-CLASS-178-DIG.6
US-PATENT-CLASS-178-6
US-PATENT-CLASS-307-242
US-PATENT-CLASS-307-259
US-PATENT-CLASS-328-104
US-PATENT-CLASS-328-154
US-PATENT-3,702,898
- N73-13257* # c 11 NASA-CASE-LAR-10574-1
US-PATENT-APPL-SN-66206
US-PATENT-CLASS-244-1SS
US-PATENT-3,698,659
- N73-13415* # c 14 NASA-CASE-LAR-10855-1
US-PATENT-APPL-SN-166541
US-PATENT-CLASS-73-147
US-PATENT-CLASS-73-182
US-PATENT-CLASS-73-189
US-PATENT-CLASS-73-212
US-PATENT-3,699,811
- N73-13416* # c 14 NASA-CASE-GSC-11302-1
US-PATENT-APPL-SN-168650
US-PATENT-CLASS-73-71.6
US-PATENT-3,699,807
- N73-13417* # c 14 NASA-CASE-XLE-05230-2
US-PATENT-APPL-SN-147099
US-PATENT-APPL-SN-877717
US-PATENT-CLASS-136-233
US-PATENT-CLASS-29-573
US-PATENT-CLASS-29-624
US-PATENT-3,699,645
- N73-13418* # c 14 NASA-CASE-MFS-14216
US-PATENT-APPL-SN-50208
US-PATENT-CLASS-137-487.5
US-PATENT-CLASS-137-81
US-PATENT-CLASS-92-49
US-PATENT-3,698,412
- N73-13420* # c 14 NASA-CASE-NPO-11418-1
US-PATENT-APPL-SN-193947
US-PATENT-CLASS-333-81B
US-PATENT-CLASS-333-98R
US-PATENT-3,702,979
- N73-13435* # c 14 NASA-CASE-GSC-11533-1
US-PATENT-APPL-SN-305013
- N73-13462* # c 15 NASA-CASE-NPO-11479
US-PATENT-APPL-SN-170440
US-PATENT-CLASS-137-608
US-PATENT-CLASS-137-81.5
US-PATENT-CLASS-138-45
US-PATENT-CLASS-251-122
US-PATENT-3,700,005
- N73-13463* # c 15 NASA-CASE-MFS-20317
US-PATENT-APPL-SN-67730
US-PATENT-CLASS-173-131
US-PATENT-CLASS-72-447
US-PATENT-CLASS-72-476
US-PATENT-3,699,799
- N73-13464* # c 15 NASA-CASE-NPO-10812
US-PATENT-APPL-SN-129073
US-PATENT-CLASS-425-113
US-PATENT-CLASS-425-133
US-PATENT-CLASS-425-176
US-PATENT-CLASS-72-258
US-PATENT-3,698,848
- N73-13465* # c 15 NASA-CASE-LEW-10805-1
US-PATENT-APPL-SN-29917
US-PATENT-CLASS-148-11.5R
US-PATENT-3,702,791
- N73-13466* # c 15 NASA-CASE-MFS-20944
US-PATENT-APPL-SN-148756
US-PATENT-CLASS-91-363A
US-PATENT-CLASS-91-448
US-PATENT-3,702,575
- N73-13467* # c 15 NASA-CASE-NPO-11369
US-PATENT-APPL-SN-129072
US-PATENT-CLASS-60-1
US-PATENT-CLASS-60-23
US-PATENT-CLASS-60-37
US-PATENT-3,702,532
- N73-13489* # c 16 NASA-CASE-HQN-10654-1
US-PATENT-APPL-SN-182978
US-PATENT-CLASS-324-5R
US-PATENT-CLASS-331-94
US-PATENT-3,702,972
- N73-13562* # c 18 NASA-CASE-ARC-10196-1
US-PATENT-APPL-SN-115082
US-PATENT-CLASS-260-2.5F
US-PATENT-3,702,841
- N73-13643* # c 21 NASA-CASE-HQN-10703
US-PATENT-APPL-SN-156724
US-PATENT-CLASS-340-27NA
US-PATENT-CLASS-340-33
US-PATENT-CLASS-340-97
US-PATENT-CLASS-343-112CA
US-PATENT-3,699,511
- N73-13644* # c 21 NASA-CASE-NPO-11481
US-PATENT-APPL-SN-134571
US-PATENT-CLASS-179-100.2A
US-PATENT-CLASS-340-174.1R
US-PATENT-CLASS-346-138
US-PATENT-CLASS-346-74MD
US-PATENT-CLASS-74-5.22
US-PATENT-3,697,968
- N73-13660* # c 23 NASA-CASE-MFS-20809
US-PATENT-APPL-SN-173185
US-PATENT-CLASS-315-169R
US-PATENT-CLASS-315-169TV
US-PATENT-CLASS-317-101A
US-PATENT-3,700,961
- N73-13661* # c 23 NASA-CASE-MSC-12404-1
US-PATENT-APPL-SN-142662
US-PATENT-CLASS-356-106S
US-PATENT-3,702,735
- N73-13662* # c 23 NASA-CASE-MFS-20243
US-PATENT-APPL-SN-59894
US-PATENT-CLASS-250-51.5
US-PATENT-CLASS-250-52
US-PATENT-3,702,933
- N73-13773* # c 28 NASA-CASE-LEW-10374-1
US-PATENT-APPL-SN-107380
US-PATENT-CLASS-137-81.5
US-PATENT-CLASS-60-211
US-PATENT-CLASS-60-240
US-PATENT-CLASS-60-243
US-PATENT-3,702,536
- N73-13898* # c 31 NASA-CASE-LAR-10549-1
US-PATENT-APPL-SN-108824
US-PATENT-CLASS-244-139
US-PATENT-CLASS-60-291
US-PATENT-3,700,192
- N73-13921* # c 32 NASA-CASE-MSC-12233-2
US-PATENT-APPL-SN-107298
US-PATENT-CLASS-229-DIG.11
US-PATENT-CLASS-52-284
US-PATENT-CLASS-52-594
US-PATENT-3,702,520
- N73-14130* # c 07 NASA-CASE-NPO-11661
US-PATENT-APPL-SN-200682
US-PATENT-CLASS-343-782
US-PATENT-CLASS-343-837
US-PATENT-CLASS-343-915
US-PATENT-3,705,406
- N73-14214* # c 09 NASA-CASE-ARC-10467-1
US-PATENT-APPL-SN-212028
US-PATENT-CLASS-250-205
US-PATENT-CLASS-250-211J
US-PATENT-CLASS-250-217SS
US-PATENT-CLASS-307-310
US-PATENT-CLASS-307-311
US-PATENT-3,705,316
- N73-14427* # c 14 NASA-CASE-NPO-10758
US-PATENT-APPL-SN-81096
US-PATENT-CLASS-352-169
US-PATENT-CLASS-95-12.5
US-PATENT-CLASS-95-59
US-PATENT-3,704,659
- N73-14428* # c 14 NASA-CASE-NPO-10764-1
US-PATENT-APPL-SN-836280
US-PATENT-CLASS-252-408
US-PATENT-3,700,603
- N73-14429* # c 14 NASA-CASE-NPO-11387
US-PATENT-APPL-SN-142719
US-PATENT-CLASS-73-57
US-PATENT-CLASS-73-60
US-PATENT-3,706,221
- N73-14468* # c 15 NASA-CASE-LAR-10103-1
US-PATENT-APPL-SN-103230
US-PATENT-CLASS-219-101
US-PATENT-CLASS-219-119
- US-PATENT-CLASS-29-203V
US-PATENT-3,705,288
- N73-14469* # c 15 NASA-CASE-GSC-10791-1
US-PATENT-APPL-SN-84289
US-PATENT-CLASS-174-52S
US-PATENT-CLASS-29-589
US-PATENT-CLASS-29-591
US-PATENT-CLASS-317-234A
US-PATENT-CLASS-317-234G
US-PATENT-3,705,255
- N73-14584* # c 18 NASA-CASE-LAR-10894-1
US-PATENT-APPL-SN-189375
US-PATENT-CLASS-106-39R
US-PATENT-CLASS-106-55
US-PATENT-CLASS-106-58
US-PATENT-CLASS-106-63
US-PATENT-CLASS-264-DIG.36
US-PATENT-CLASS-264-65
US-PATENT-3,706,583
- N73-14692* # c 21 NASA-CASE-ERC-10392
US-PATENT-APPL-SN-36534
US-PATENT-CLASS-340-27AT
US-PATENT-3,706,970
- N73-14853* # c 31 NASA-CASE-GSC-10590-1
US-PATENT-APPL-SN-130353
US-PATENT-CLASS-102-49.5
US-PATENT-3,706,281
- N73-14854* # c 31 NASA-CASE-MSC-12433
US-PATENT-APPL-SN-103551
US-PATENT-CLASS-244-155
US-PATENT-3,702,688
- N73-14855* # c 31 NASA-CASE-NPO-10680
US-PATENT-APPL-SN-104048
US-PATENT-CLASS-74-2
US-PATENT-3,706,230
- N73-15235* # c 09 NASA-CASE-NPO-12106
US-PATENT-APPL-SN-175881
US-PATENT-CLASS-317-234V
US-PATENT-CLASS-317-235AG
US-PATENT-CLASS-317-235K
US-PATENT-CLASS-331-107G
US-PATENT-CLASS-331-177R
US-PATENT-CLASS-331-90
US-PATENT-3,694,771
- N73-16106* # c 06 NASA-CASE-LAR-10668-1
US-PATENT-APPL-SN-172459
US-PATENT-CLASS-23-232E
US-PATENT-CLASS-23-232R
US-PATENT-CLASS-23-254E
US-PATENT-CLASS-23-254R
US-PATENT-CLASS-250-71R
US-PATENT-CLASS-250-83.3UV
US-PATENT-3,709,663
- N73-16121* # c 07 NASA-CASE-NPO-11572
US-PATENT-APPL-SN-125234
US-PATENT-CLASS-179-15AN
US-PATENT-CLASS-179-15BC
US-PATENT-CLASS-325-60
US-PATENT-CLASS-343-200
US-PATENT-3,710,257
- N73-16205* # c 10 NASA-CASE-NPO-11282
US-PATENT-APPL-SN-101354
US-PATENT-CLASS-325-346
US-PATENT-CLASS-325-419
US-PATENT-3,710,261
- N73-16206* # c 10 NASA-CASE-ERC-10285
US-PATENT-APPL-SN-55333
US-PATENT-CLASS-331-45
US-PATENT-CLASS-343-100R
US-PATENT-CLASS-343-100SA
US-PATENT-CLASS-343-853
US-PATENT-3,710,329
- N73-16483* # c 14 NASA-CASE-ERC-10226-1
US-PATENT-APPL-SN-124909
US-PATENT-APPL-SN-808822
US-PATENT-CLASS-250-209
US-PATENT-CLASS-250-215
US-PATENT-CLASS-250-217
US-PATENT-CLASS-315-153
US-PATENT-CLASS-340-25
US-PATENT-CLASS-340-27R
US-PATENT-3,708,671
- N73-16484* # c 14 NASA-CASE-LAR-10739-1
US-PATENT-APPL-SN-134567
US-PATENT-CLASS-250-217F
US-PATENT-CLASS-340-228S
US-PATENT-CLASS-340-418
US-PATENT-3,708,674
- N73-16536* # c 16 NASA-CASE-LAR-10311-1
US-PATENT-APPL-SN-31702
US-PATENT-CLASS-250-199
US-PATENT-CLASS-340-171
US-PATENT-CLASS-350-293
US-PATENT-3,710,122
- N73-16764* # c 27 NASA-CASE-NPO-12015
US-PATENT-APPL-SN-74862

[illegible]

		US-PATENT-CLASS-250-203R	US-PATENT-CLASS-331-94.5	US-PATENT-CLASS-235-92MT
		US-PATENT-CLASS-250-214	US-PATENT-CLASS-332-7.51	US-PATENT-CLASS-73-67.3
		US-PATENT-CLASS-250-214	US-PATENT-CLASS-356-4	US-PATENT-CLASS-73-88.5R
		US-PATENT-CLASS-250-83.3H	US-PATENT-CLASS-356-5	US-PATENT-CLASS-73-91
		US-PATENT-CLASS-356-152	US-PATENT-3,737,231	US-PATENT-3,733,424
		US-PATENT-3,723,745	N73-26175* # c 08	N73-26958* # c 33
N73-25463* # c 14		NASA-CASE-ARC-10278-1	NASA-CASE-NPO-11821-1	NASA-CASE-NPO-11330
		US-PATENT-APPL-SN-154933	US-PATENT-APPL-SN-236285	US-PATENT-APPL-SN-118269
		US-PATENT-CLASS-356-110	US-PATENT-CLASS-235-152	US-PATENT-CLASS-285-DIG.21
		US-PATENT-3,729,260	US-PATENT-CLASS-235-164	US-PATENT-CLASS-285-316
N73-25512* # c 15		NASA-CASE-LAR-10129-1	US-PATENT-CLASS-328-167	US-PATENT-3,737,181
		US-PATENT-APPL-SN-99201	US-PATENT-3,732,409	N73-27052* # c 04
		US-PATENT-CLASS-182-5	NASA-CASE-NPO-11456	NASA-CASE-GSC-11092-2
		US-PATENT-CLASS-188-65.1	US-PATENT-APPL-SN-153543	US-PATENT-APPL-SN-139250
		US-PATENT-CLASS-254-156	US-PATENT-CLASS-340-172.5	US-PATENT-APPL-SN-60950
		US-PATENT-3,729,068	US-PATENT-3,740,725	US-PATENT-CLASS-103.5R
N73-25513* # c 15		NASA-CASE-GSC-11205-1	N73-26195* # c 09	US-PATENT-3,745,090
		US-PATENT-APPL-SN-107376	NASA-CASE-GSC-10990-1	N73-27062* # c 05
		US-PATENT-CLASS-188-266	US-PATENT-APPL-SN-93329	NASA-CASE-LEW-11669-1
		US-PATENT-CLASS-244-15A	US-PATENT-CLASS-333-73R	US-PATENT-APPL-SN-198885
		US-PATENT-3,737,118	US-PATENT-CLASS-333-73S	US-PATENT-CLASS-128-2
N73-25760* # c 25		NASA-CASE-LEW-11180-1	US-PATENT-CLASS-333-82A	US-PATENT-CLASS-128-24A
		US-PATENT-APPL-SN-175852	US-PATENT-CLASS-333-84M	US-PATENT-CLASS-128-305
		US-PATENT-CLASS-313-161	US-PATENT-3,737,815	US-PATENT-CLASS-32-28
		US-PATENT-CLASS-313-231	N73-26228* # c 10	US-PATENT-CLASS-32-58
		US-PATENT-CLASS-60-202	NASA-CASE-ERC-10403-1	US-PATENT-3,736,938
		US-PATENT-3,735,591	US-PATENT-APPL-SN-253405	N73-27086* # c 06
N73-25952* # c 33		NASA-CASE-LEW-10359-2	US-PATENT-CLASS-317-DIG.6	NASA-CASE-GSC-10225-1
		US-PATENT-APPL-SN-150215	US-PATENT-CLASS-321-11	US-PATENT-APPL-SN-710621
		US-PATENT-APPL-SN-47063	US-PATENT-CLASS-321-45C	US-PATENT-CLASS-195-66R
		US-PATENT-CLASS-102-105	US-PATENT-3,737,757	US-PATENT-3,745,089
		US-PATENT-CLASS-244-117A	N73-26229* # c 10	N73-27150* # c 09
		US-PATENT-CLASS-60-200A	NASA-CASE-NPO-11569	NASA-CASE-ERC-10224-2
		US-PATENT-CLASS-60-265	US-PATENT-APPL-SN-199957	US-PATENT-APPL-SN-221833
		US-PATENT-CLASS-60-267	US-PATENT-CLASS-307-220	US-PATENT-APPL-SN-868775
		US-PATENT-CLASS-62-467	US-PATENT-CLASS-307-233	US-PATENT-CLASS-29-580
		US-PATENT-3,720,075	US-PATENT-3,737,676	US-PATENT-CLASS-317-234G
N73-26004* # c 02		NASA-CASE-LAR-10682-1	N73-26230* # c 10	US-PATENT-CLASS-317-234L
		US-PATENT-APPL-SN-127915	NASA-CASE-MSC-13907-1	US-PATENT-CLASS-317-234M
		US-PATENT-CLASS-244-75A	US-PATENT-APPL-SN-254177	US-PATENT-CLASS-317-234N
		US-PATENT-CLASS-244-76C	US-PATENT-CLASS-235-186	US-PATENT-CLASS-317-234R
		US-PATENT-CLASS-244-77F	US-PATENT-CLASS-235-194	US-PATENT-CLASS-317-234R
		US-PATENT-CLASS-244-77G	US-PATENT-CLASS-235-197	US-PATENT-3,742,316
		US-PATENT-3,734,432	US-PATENT-3,737,639	N73-27171* # c 10
N73-26005* # c 02		NASA-CASE-ARC-10470-1	N73-26238* # c 11	NASA-CASE-NPO-11941-1
		US-PATENT-APPL-SN-206279	NASA-CASE-NPO-11366	US-PATENT-APPL-SN-241614
		US-PATENT-CLASS-244-13	US-PATENT-APPL-SN-144139	US-PATENT-CLASS-330-70CR
		US-PATENT-CLASS-244-46	US-PATENT-CLASS-180-41	US-PATENT-CLASS-331-17
		US-PATENT-CLASS-244-55	US-PATENT-CLASS-180-6.5	US-PATENT-3,740,671
		US-PATENT-3,737,121	US-PATENT-CLASS-180-7R	N73-27376* # c 14
N73-26006* # c 02		NASA-CASE-MSC-12393-1	US-PATENT-CLASS-180-8A	NASA-CASE-HQN-10037-1
		US-PATENT-APPL-SN-203405	US-PATENT-CLASS-180-9.2R	US-PATENT-APPL-SN-235957
		US-PATENT-CLASS-114-122	US-PATENT-CLASS-180-9.5	US-PATENT-CLASS-73-28
		US-PATENT-CLASS-9-11A	US-PATENT-CLASS-305-35EB	US-PATENT-3,741,001
		US-PATENT-CLASS-9-2A	US-PATENT-CLASS-305-39	N73-27377* # c 14
		US-PATENT-CLASS-9-3	US-PATENT-3,730,287	NASA-CASE-MFS-21046-1
		US-PATENT-3,736,607	N73-26430* # c 14	US-PATENT-APPL-SN-156725
N73-26071* # c 05		NASA-CASE-ARC-10599-1	NASA-CASE-NPO-11304	US-PATENT-CLASS-272-73
		US-PATENT-APPL-SN-247481	US-PATENT-APPL-SN-101214	US-PATENT-CLASS-35-12C
		US-PATENT-CLASS-165-46	US-PATENT-CLASS-219-499	US-PATENT-3,744,794
		US-PATENT-CLASS-2-2.1	US-PATENT-CLASS-219-50	N73-27378* # c 14
		US-PATENT-CLASS-62-176	US-PATENT-3,733,463	NASA-CASE-KSC-10626
		US-PATENT-CLASS-62-207	N73-26431* # c 14	US-PATENT-APPL-SN-180963
		US-PATENT-CLASS-62-209	NASA-CASE-MSC-12363-1	US-PATENT-CLASS-222-414
		US-PATENT-CLASS-62-259	US-PATENT-APPL-SN-152536	US-PATENT-CLASS-244-1SS
		US-PATENT-CLASS-62-89	US-PATENT-CLASS-95-1.1	US-PATENT-CLASS-244-135
		US-PATENT-3,736,764	US-PATENT-3,736,849	US-PATENT-3,744,738
N73-26072* # c 05		NASA-CASE-ARC-10329-1	N73-26432* # c 14	N73-27379* # c 14
		US-PATENT-APPL-SN-159857	NASA-CASE-ERC-10276	NASA-CASE-FRC-10060-1
		US-PATENT-CLASS-128-2.1R	US-PATENT-APPL-SN-24155	US-PATENT-APPL-SN-189290
		US-PATENT-CLASS-351-23	US-PATENT-CLASS-250-209	US-PATENT-CLASS-179-175.1A
		US-PATENT-CLASS-351-30	US-PATENT-CLASS-340-15.5GC	US-PATENT-CLASS-340-5C
		US-PATENT-CLASS-351-36	US-PATENT-CLASS-343-100ME	US-PATENT-CLASS-73-1DV
		US-PATENT-3,737,217	US-PATENT-3,737,905	US-PATENT-3,744,994
N73-26100* # c 06		NASA-CASE-GSC-11358-1	N73-26472* # c 15	N73-27405* # c 15
		US-PATENT-APPL-SN-226551	NASA-CASE-KSC-10639	NASA-CASE-MFS-20855
		US-PATENT-CLASS-260-46.5R	US-PATENT-APPL-SN-181023	US-PATENT-APPL-SN-127647
		US-PATENT-3,733,350	US-PATENT-CLASS-137-397	US-PATENT-CLASS-219-348
N73-26117* # c 07		NASA-CASE-KSC-10392	US-PATENT-CLASS-137-582	US-PATENT-CLASS-53-112A
		US-PATENT-APPL-SN-181024	US-PATENT-3,736,956	US-PATENT-CLASS-53-22A
		US-PATENT-CLASS-343-880	N73-26572* # c 18	US-PATENT-3,745,739
		US-PATENT-CLASS-343-883	NASA-CASE-ARC-10304-1	N73-27406* # c 15
		US-PATENT-CLASS-343-889	US-PATENT-APPL-SN-140946	NASA-CASE-NPO-11377
		US-PATENT-CLASS-343-895	US-PATENT-CLASS-252-8.1	US-PATENT-APPL-SN-187262
		US-PATENT-3,737,912	US-PATENT-3,730,891	US-PATENT-CLASS-137-1
N73-26118* # c 07		NASA-CASE-NPO-11548	N73-26751* # c 26	US-PATENT-CLASS-137-154
		US-PATENT-APPL-SN-151411	NASA-CASE-MFS-20675	US-PATENT-CLASS-137-604
		US-PATENT-CLASS-179-15A	US-PATENT-APPL-SN-200085	US-PATENT-3,744,510
		US-PATENT-CLASS-179-15BM	US-PATENT-CLASS-250-219TH	N73-27446* # c 17
		US-PATENT-CLASS-325-40	US-PATENT-CLASS-356-108	NASA-CASE-LAR-10953-1
		US-PATENT-CLASS-343-204	US-PATENT-CLASS-356-161	US-PATENT-APPL-SN-163152
		US-PATENT-3,737,776	US-PATENT-CLASS-356-202	US-PATENT-CLASS-23-230R
N73-26119* # c 07		NASA-CASE-NPO-11426	US-PATENT-3,737,237	US-PATENT-3,744,972
		US-PATENT-APPL-SN-89210	N73-26752* # c 26	N73-27699* # c 28
		US-PATENT-CLASS-250-199	NASA-CASE-LEW-11726-1	NASA-CASE-XLE-10453-2
			US-PATENT-APPL-SN-280031	US-PATENT-APPL-SN-180473
			US-PATENT-CLASS-156-18	US-PATENT-APPL-SN-758540
			US-PATENT-CLASS-174-DIG.6	US-PATENT-CLASS-313-217
			US-PATENT-CLASS-29-599	US-PATENT-CLASS-313-218
			US-PATENT-CLASS-336-DIG.1	US-PATENT-CLASS-313-230
			US-PATENT-CLASS-336-200	US-PATENT-CLASS-313-355
			US-PATENT-3,737,824	US-PATENT-CLASS-313-63
			N73-26876* # c 31	US-PATENT-CLASS-60-202
			NASA-CASE-MFS-20863	US-PATENT-3,744,247
			US-PATENT-APPL-SN-159966	N73-27796* # c 33
			US-PATENT-CLASS-244-1SD	NASA-CASE-LAR-10439-1
			US-PATENT-CLASS-244-137P	US-PATENT-APPL-SN-182033
			US-PATENT-3,737,117	US-PATENT-CLASS-356-72
			N73-26910* # c 32	US-PATENT-CLASS-73-339
			NASA-CASE-LAR-10756-1	US-PATENT-CLASS-73-432R
			US-PATENT-APPL-SN-160859	US-PATENT-CLASS-73-86

N73-27941* #	c 05	US-PATENT-3,745,816	N73-28516* #	c 15	US-PATENT-CLASS-29-497.5	N73-30389* #	c 14	US-PATENT-CLASS-324-62R	
		NASA-CASE-MFS-21109-1			US-PATENT-3,745,300			US-PATENT-CLASS-324-95	
		US-PATENT-APPL-SN-202769			NASA-CASE-XNP-01187			US-PATENT-3,750,016	
		US-PATENT-CLASS-128-2.05R			US-PATENT-APPL-SN-155598			NASA-CASE-MFS-20546-2	
N73-27980* #	c 06	US-PATENT-CLASS-128-2.06R	N73-28573* #	c 17	US-PATENT-CLASS-317-158	N73-30390* #	c 14	US-PATENT-APPL-SN-11220	
		US-PATENT-CLASS-272-73			US-PATENT-3,244,943			US-PATENT-APPL-SN-51317	
		US-PATENT-CLASS-73-379			NASA-CASE-XNP-08876			US-PATENT-CLASS-250-105	
		US-PATENT-3,744,480			US-PATENT-APPL-SN-527331			US-PATENT-CLASS-250-65R	
N73-28012* #	c 07	NASA-CASE-LEW-11325-1	N73-28710* #	c 26	US-PATENT-CLASS-75-66	N73-30391* #	c 14	US-PATENT-3,749,911	
		US-PATENT-APPL-SN-184960			US-PATENT-3,419,384			NASA-CASE-XGS-07752	
		US-PATENT-CLASS-117-161P			NASA-CASE-XNP-01185			US-PATENT-APPL-SN-533659	
		US-PATENT-CLASS-117-161UN			US-PATENT-APPL-SN-155595			US-PATENT-CLASS-73-4	
N73-28013* #	c 07	US-PATENT-CLASS-117-228	N73-30078* #	c 05	US-PATENT-CLASS-317-158	N73-30392* #	c 14	US-PATENT-3,395,565	
		US-PATENT-CLASS-161-214			US-PATENT-3,198,994			NASA-CASE-XLA-05087	
		US-PATENT-CLASS-161-227			NASA-CASE-MFS-21010-1			US-PATENT-APPL-SN-459407	
		US-PATENT-CLASS-260-30.2			US-PATENT-APPL-SN-251609			US-PATENT-CLASS-315-111	
N73-28045* #	c 08	US-PATENT-CLASS-260-30.8DS	N73-30097* #	c 06	US-PATENT-CLASS-73-379	N73-30393* #	c 14	US-PATENT-3,394,286	
		US-PATENT-CLASS-260-32.6N			US-PATENT-3,750,479			NASA-CASE-MFS-21441-1	
		US-PATENT-CLASS-260-33.4R			NASA-CASE-LAR-10670-1			US-PATENT-APPL-SN-231662	
		US-PATENT-CLASS-260-33.6R			US-PATENT-APPL-SN-59892			US-PATENT-CLASS-250-394	
N73-28083* #	c 09	US-PATENT-CLASS-260-47CP	N73-30100* #	c 06	US-PATENT-CLASS-149-1	N73-30457* #	c 15	US-PATENT-CLASS-250-518	
		US-PATENT-CLASS-260-65			US-PATENT-CLASS-149-36			US-PATENT-3,752,986	
		US-PATENT-CLASS-260-78TF			US-PATENT-CLASS-252-301.4			NASA-CASE-GSC-11487-1	
		US-PATENT-CLASS-260-78UA			US-PATENT-CLASS-252-305			US-PATENT-APPL-SN-193814	
N73-28144* #	c 12	US-PATENT-3,745,149	N73-30102* #	c 06	US-PATENT-CLASS-60-215	N73-30458* #	c 15	US-PATENT-CLASS-254-29A	
		NASA-CASE-NPO-11593-1			US-PATENT-3,751,913			US-PATENT-CLASS-29-452	
		US-PATENT-APPL-SN-172807			NASA-CASE-MFS-21040-1			US-PATENT-CLASS-81-57.38	
		US-PATENT-CLASS-179-15FS			US-PATENT-APPL-SN-183240			US-PATENT-3,749,362	
N73-28184* #	c 14	US-PATENT-CLASS-325-419	N73-30103* #	c 06	US-PATENT-CLASS-260-485F	N73-30459* #	c 15	NASA-CASE-LEW-11087-1	
		US-PATENT-CLASS-329-122			US-PATENT-3,752,847			US-PATENT-APPL-SN-201904	
		US-PATENT-3,745,255			NASA-CASE-MFS-10512			US-PATENT-CLASS-308-188	
		NASA-CASE-GSC-11046-1			US-PATENT-APPL-SN-606027			US-PATENT-CLASS-308-193	
N73-28486* #	c 14	US-PATENT-APPL-SN-182399	N73-30113* #	c 07	US-PATENT-CLASS-260-77.5	N73-30460* #	c 15	US-PATENT-3,751,123	
		US-PATENT-CLASS-343-725			US-PATENT-3,463,761			NASA-CASE-MSC-13587-1	
		US-PATENT-CLASS-343-729			NASA-CASE-MFS-10506			US-PATENT-APPL-SN-206698	
		US-PATENT-CLASS-343-797			US-PATENT-APPL-SN-606036			US-PATENT-CLASS-137-516.27	
N73-28487* #	c 14	US-PATENT-CLASS-343-803	N73-30115* #	c 07	US-PATENT-CLASS-260-77.5	N73-30461* #	c 15	US-PATENT-3,749,123	
		US-PATENT-CLASS-343-893			US-PATENT-3,463,762			NASA-CASE-HQN-10638-1	
		US-PATENT-3,747,111			NASA-CASE-MFS-10507			US-PATENT-APPL-SN-212977	
		NASA-CASE-XNP-00477			US-PATENT-APPL-SN-605994			US-PATENT-CLASS-188-1C	
N73-28488* #	c 14	US-PATENT-CLASS-340-347	N73-30117* #	c 07	US-PATENT-CLASS-260-615	N73-30462* #	c 15	US-PATENT-CLASS-297-386	
		US-PATENT-3,219,997			US-PATENT-3,452,103			US-PATENT-3,749,205	
		NASA-CASE-GSC-11215-1			NASA-CASE-MFS-11492			NASA-CASE-MFS-20823-1	
		US-PATENT-APPL-SN-114873			US-PATENT-APPL-SN-707440			US-PATENT-APPL-SN-175981	
N73-28489* #	c 14	US-PATENT-CLASS-29-628	N73-30119* #	c 07	US-PATENT-CLASS-260-2	N73-30463* #	c 15	US-PATENT-CLASS-350-3.5	
		US-PATENT-CLASS-29-629			US-PATENT-3,577,356			US-PATENT-CLASS-356-108	
		US-PATENT-CLASS-29-630			NASA-CASE-MFS-10509			US-PATENT-CLASS-356-109	
		US-PATENT-CLASS-29-630A			US-PATENT-APPL-SN-605964			US-PATENT-3,744,912	
N73-28490* #	c 14	US-PATENT-3,744,128	N73-30121* #	c 07	US-PATENT-CLASS-260-77.5	N73-30464* #	c 15	NASA-CASE-ERC-10339-1	
		NASA-CASE-XNP-03623			US-PATENT-3,475,384			US-PATENT-APPL-SN-43883	
		US-PATENT-APPL-SN-471154			NASA-CASE-NPO-11628-1			US-PATENT-CLASS-156-285	
		US-PATENT-CLASS-178-69.5			US-PATENT-APPL-SN-207211			US-PATENT-3,745,082	
N73-28144* #	c 12	US-PATENT-3,402,265	N73-30123* #	c 07	US-PATENT-CLASS-325-420	N73-30640* #	c 21	NASA-CASE-GSC-10890-1	
		NASA-CASE-LAR-10612-1			US-PATENT-CLASS-325-422			US-PATENT-APPL-SN-111998	
		US-PATENT-APPL-SN-233173			US-PATENT-CLASS-329-120			US-PATENT-CLASS-244-15A	
		US-PATENT-CLASS-73-147			US-PATENT-3,746,998			US-PATENT-CLASS-250-203R	
N73-28486* #	c 14	US-PATENT-CLASS-73-147	N73-30125* #	c 07	US-PATENT-CLASS-178-6.6DD	N73-30461* #	c 21	US-PATENT-CLASS-250-209	
		US-PATENT-3,744,305			US-PATENT-CLASS-178-6.8			US-PATENT-CLASS-250-236	
		NASA-CASE-NPO-11749			US-PATENT-CLASS-179-15BS			US-PATENT-3,752,993	
		US-PATENT-APPL-SN-175267			US-PATENT-3,749,831			NASA-CASE-LAR-10717-1	
N73-28487* #	c 14	US-PATENT-CLASS-324-52	N73-30127* #	c 07	US-PATENT-CLASS-179-15BS	N73-30642* #	c 21	US-PATENT-APPL-SN-242028	
		US-PATENT-CLASS-73-15R			US-PATENT-3,749,831			US-PATENT-CLASS-343-112CA	
		US-PATENT-3,737,762			NASA-CASE-NPO-10817-1			US-PATENT-CLASS-343-6.5R	
		NASA-CASE-XLA-08916-2			US-PATENT-APPL-SN-82649			US-PATENT-3,750,168	
N73-28488* #	c 14	US-PATENT-APPL-SN-77765	N73-30129* #	c 07	US-PATENT-CLASS-250-229	N73-30643* #	c 21	NASA-CASE-LEW-11326-1	
		US-PATENT-APPL-SN-97472			US-PATENT-CLASS-250-237R			US-PATENT-APPL-SN-192970	
		US-PATENT-CLASS-73-170R			US-PATENT-CLASS-250-239			US-PATENT-CLASS-431-173	
		US-PATENT-CLASS-73-432R			US-PATENT-CLASS-250-239			US-PATENT-CLASS-431-9	
N73-28489* #	c 14	US-PATENT-3,744,320	N73-30131* #	c 07	US-PATENT-3,745,352	N73-30644* #	c 21	US-PATENT-CLASS-60-39.65	
		NASA-CASE-LEW-11159-1			NASA-CASE-MFS-21214-1			US-PATENT-CLASS-60-39.66	
		US-PATENT-APPL-SN-104346			US-PATENT-APPL-SN-235269			US-PATENT-CLASS-60-39.72	
		US-PATENT-CLASS-250-336			US-PATENT-CLASS-313-161			US-PATENT-CLASS-60-39.74R	
N73-28490* #	c 14	US-PATENT-CLASS-307-308	N73-30133* #	c 07	US-PATENT-CLASS-315-248	N73-30645* #	c 21	US-PATENT-3,748,853	
		US-PATENT-3,745,357			US-PATENT-CLASS-315-324			NASA-CASE-GSC-11296-1	
		NASA-CASE-GSC-11074-1			US-PATENT-3,745,410			US-PATENT-APPL-SN-228190	
		US-PATENT-APPL-SN-198362			NASA-CASE-NPO-11738-1			US-PATENT-CLASS-350-162SF	
N73-28491* #	c 14	US-PATENT-CLASS-34-155	N73-30135* #	c 07	US-PATENT-CLASS-335-296	N73-30646* #	c 21	US-PATENT-CLASS-350-55	
		US-PATENT-CLASS-34-160			US-PATENT-CLASS-335-297			US-PATENT-3,752,564	
		US-PATENT-CLASS-34-162			US-PATENT-3,750,067				
		US-PATENT-3,744,148			NASA-CASE-NPO-11307-1				
N73-28490* #	c 14	NASA-CASE-GSC-11444-1	N73-30205* #	c 10	NASA-CASE-NPO-11307-1	N73-30665* #	c 23	NASA-CASE-LEW-11326-1	
		US-PATENT-APPL-SN-229128			US-PATENT-APPL-SN-169671			US-PATENT-APPL-SN-192970	
		US-PATENT-CLASS-250-203R			US-PATENT-CLASS-340-277			US-PATENT-CLASS-431-173	
		US-PATENT-CLASS-250-209			US-PATENT-CLASS-340-279			US-PATENT-CLASS-431-9	
N73-28491* #	c 14	US-PATENT-CLASS-250-214R	N73-30206* #	c 10	US-PATENT-CLASS-340-277	N73-30666* #	c 23	US-PATENT-CLASS-60-39.65	
		US-PATENT-CLASS-356-141			US-PATENT-CLASS-340-279			US-PATENT-CLASS-60-39.66	
		US-PATENT-3,744,913			US-PATENT-3,750,131			US-PATENT-CLASS-60-39.72	
		NASA-CASE-XNP-05231			NASA-CASE-MFS-20658-1			US-PATENT-CLASS-60-39.74R	
N73-28515* #	c 15	US-PATENT-APPL-SN-524746	N73-30388* #	c 14	US-PATENT-APPL-SN-205675	N73-30667* #	c 23	US-PATENT-3,748,853	
		US-PATENT-CLASS-250-51.5			US-PATENT-CLASS-324-79D			NASA-CASE-GSC-11296-1	
		US-PATENT-3,440,419			US-PATENT-CLASS-328-129			US-PATENT-APPL-SN-228190	
		NASA-CASE-LEW-10533-1			US-PATENT-CLASS-328-134			US-PATENT-CLASS-350-162SF	
N73-28515* #	c 15	US-PATENT-CLASS-219-107	N73-30388* #	c 14	US-PATENT-CLASS-328-48	N73-30668* #	c 23	US-PATENT-CLASS-350-55	
		US-PATENT-CLASS-219-62			US-PATENT-3,745,475			US-PATENT-3,752,564	
		US-PATENT-CLASS-219-62			NASA-CASE-NPO-11291-1				
		US-PATENT-CLASS-27-498			US-PATENT-APPL-SN-116790				

ACCESSION NUMBER INDEX

N73-33383

N73-30829* #	c 31	NASA-CASE-GSC-11018-1 US-PATENT-APPL-SN-244523 US-PATENT-CLASS-165-105 US-PATENT-CLASS-165-32 US-PATENT-CLASS-165-47 US-PATENT-CLASS-165-96 US-PATENT-CLASS-244-1SS US-PATENT-3,749,156	N73-32112* #	c 09	NASA-CASE-ARC-10330-1 US-PATENT-APPL-SN-151412 US-PATENT-CLASS-317-235R US-PATENT-CLASS-317-235WW US-PATENT-3,760,239	US-PATENT-CLASS-117-105 US-PATENT-CLASS-117-105.5 US-PATENT-CLASS-117-130R US-PATENT-CLASS-117-138.8R US-PATENT-CLASS-117-151 US-PATENT-CLASS-117-160R US-PATENT-CLASS-117-66 US-PATENT-CLASS-29-527.2 US-PATENT-CLASS-72-53 US-PATENT-3,754,976		
N73-31988* #	c 03	NASA-CASE-MSC-12396-1 US-PATENT-APPL-SN-258331 US-PATENT-CLASS-307-18 US-PATENT-CLASS-307-28 US-PATENT-CLASS-307-29 US-PATENT-CLASS-307-38 US-PATENT-3,755,686	N73-32143* #	c 10	NASA-CASE-MSC-13746-1 US-PATENT-APPL-SN-226476 US-PATENT-CLASS-178-18 US-PATENT-3,758,718	N73-32361* #	c 15	NASA-CASE-XNP-01188 US-PATENT-APPL-SN-155596 US-PATENT-CLASS-317-158 US-PATENT-3,262,025
N73-32011* #	c 05	NASA-CASE-GSC-11169-2 US-PATENT-APPL-SN-139094 US-PATENT-APPL-SN-60882 US-PATENT-CLASS-195-127 US-PATENT-3,756,920	N73-32144* #	c 10	NASA-CASE-NPO-11703-1 US-PATENT-APPL-SN-223560 US-PATENT-CLASS-340-166 US-PATENT-CLASS-340-173 US-PATENT-CLASS-340-223 US-PATENT-CLASS-340-415 US-PATENT-3,760,394	N73-32362* #	c 15	NASA-CASE-XNP-07169 US-PATENT-APPL-SN-486884 US-PATENT-CLASS-175-26 US-PATENT-3,375,885
N73-32012* #	c 05	NASA-CASE-MSC-12609-1 US-PATENT-APPL-SN-750031 US-PATENT-CLASS-128-1A US-PATENT-CLASS-2-2.1A US-PATENT-CLASS-2-81 US-PATENT-3,751,727	N73-32145* #	c 10	NASA-CASE-MFS-21465-1 US-PATENT-APPL-SN-218965 US-PATENT-CLASS-307-271 US-PATENT-CLASS-318-230 US-PATENT-CLASS-318-231 US-PATENT-CLASS-318-341 US-PATENT-CLASS-331-135 US-PATENT-3,760,248	N73-32391* #	c 16	NASA-CASE-GSC-11222-1 US-PATENT-APPL-SN-251621 US-PATENT-CLASS-307-157 US-PATENT-CLASS-315-DIG.2 US-PATENT-CLASS-315-101 US-PATENT-CLASS-315-258 US-PATENT-CLASS-315-356 US-PATENT-CLASS-330-4.3 US-PATENT-CLASS-331-94.5 US-PATENT-3,758,877
N73-32013* #	c 05	NASA-CASE-MFS-16570-1 US-PATENT-APPL-SN-228150 US-PATENT-CLASS-3-1.1 US-PATENT-CLASS-3-12 US-PATENT-CLASS-3-2 US-PATENT-CLASS-3-6 US-PATENT-3,751,733	N73-32152* #	c 11	NASA-CASE-MSC-13789-1 US-PATENT-APPL-SN-166487 US-PATENT-CLASS-102-95 US-PATENT-CLASS-188-1C US-PATENT-CLASS-89-8 US-PATENT-3,763,740	N73-32414* #	c 17	NASA-CASE-LEW-11267-1 US-PATENT-APPL-SN-190316 US-PATENT-CLASS-29-196.2 US-PATENT-CLASS-29-196.6 US-PATENT-CLASS-29-197 US-PATENT-3,762,884
N73-32014* #	c 05	NASA-CASE-MSC-11561-1 US-PATENT-APPL-SN-146940 US-PATENT-CLASS-137-535 US-PATENT-CLASS-272-DIG.1 US-PATENT-CLASS-272-DIG.4 US-PATENT-CLASS-272-DIG.5 US-PATENT-CLASS-272-79C US-PATENT-CLASS-91-186 US-PATENT-3,758,112	N73-32317* #	c 14	NASA-CASE-NPO-12128-1 US-PATENT-APPL-SN-841845 US-PATENT-CLASS-250-207 US-PATENT-CLASS-250-83.3R US-PATENT-CLASS-313-104 US-PATENT-3,758,781	N73-32415* #	c 17	NASA-CASE-LEW-10436-1 US-PATENT-APPL-SN-221093 US-PATENT-CLASS-73-170 US-PATENT-CLASS-75-171 US-PATENT-3,762,918
N73-32015* #	c 05	NASA-CASE-MSC-13436-1 US-PATENT-APPL-SN-173190 US-PATENT-CLASS-128-2.07 US-PATENT-CLASS-128-2.08 US-PATENT-CLASS-73-194E US-PATENT-CLASS-73-194M US-PATENT-3,759,249	N73-32318* #	c 14	NASA-CASE-KSC-10730-1 US-PATENT-APPL-SN-248469 US-PATENT-CLASS-324-72 US-PATENT-3,760,268	N73-32437* #	c 18	NASA-CASE-MFS-20861-1 US-PATENT-APPL-SN-160860 US-PATENT-CLASS-75-135 US-PATENT-3,752,665
N73-32029* #	c 06	NASA-CASE-MSC-10998-1 NASA-CASE-NPO-10999-1 US-PATENT-APPL-SN-145027 US-PATENT-CLASS-252-431N US-PATENT-CLASS-252-431R US-PATENT-CLASS-260-47UP US-PATENT-CLASS-260-567.6M US-PATENT-CLASS-260-93.5A US-PATENT-CLASS-260-93.5S US-PATENT-CLASS-260-94.2M US-PATENT-CLASS-260-94.2R US-PATENT-CLASS-260-94.7R US-PATENT-3,755,283	N73-32319* #	c 14	NASA-CASE-KSC-10728-1 US-PATENT-APPL-SN-292682 US-PATENT-CLASS-95-11 US-PATENT-CLASS-95-11.5 US-PATENT-3,759,152	N73-32528* #	c 22	NASA-CASE-XLE-00209 US-PATENT-APPL-SN-60276 US-PATENT-CLASS-176-169 US-PATENT-3,759,787
N73-32030* #	c 06	NASA-CASE-MFS-20979-2 US-PATENT-APPL-SN-100774 US-PATENT-APPL-SN-219590 US-PATENT-CLASS-260-448.2D US-PATENT-3,763,204	N73-32320* #	c 14	NASA-CASE-GSC-11188-1 US-PATENT-APPL-SN-244440 US-PATENT-APPL-SN-80029 US-PATENT-CLASS-29-195Y US-PATENT-3,759,672	N73-32571* #	c 26	NASA-CASE-LEW-11015 US-PATENT-APPL-SN-235266 US-PATENT-CLASS-174-DIG.6 US-PATENT-CLASS-174-126CP US-PATENT-CLASS-29-599 US-PATENT-CLASS-335-216 US-PATENT-3,763,552
N73-32081* #	c 08	NASA-CASE-MSC-12458-1 US-PATENT-APPL-SN-188927 US-PATENT-CLASS-235-152IE US-PATENT-CLASS-340-347DA US-PATENT-3,754,236	N73-32321* #	c 14	NASA-CASE-XNP-05530 NASA-CASE-XNP-06933 US-PATENT-APPL-SN-488381 US-PATENT-CLASS-73-81 US-PATENT-3,379,052	N73-32606* #	c 28	NASA-CASE-NPO-12070-1 US-PATENT-APPL-SN-153542 US-PATENT-CLASS-165-105 US-PATENT-CLASS-165-141 US-PATENT-CLASS-165-185 US-PATENT-CLASS-239-127.1 US-PATENT-CLASS-60-267 US-PATENT-3,759,443
N73-32107* #	c 09	NASA-CASE-MFS-20207-1 US-PATENT-APPL-SN-239574 US-PATENT-CLASS-318-254 US-PATENT-CLASS-318-328 US-PATENT-3,757,183	N73-32322* #	c 14	NASA-CASE-LAR-10319-1 US-PATENT-APPL-SN-197870 US-PATENT-CLASS-346-110 US-PATENT-CLASS-95-42 US-PATENT-3,757,659	N73-32749* #	c 31	NASA-CASE-ERC-10365-1 US-PATENT-APPL-SN-99198 US-PATENT-CLASS-287-92 US-PATENT-CLASS-52-109 US-PATENT-CLASS-52-64 US-PATENT-CLASS-52-646 US-PATENT-CLASS-52-80 US-PATENT-3,757,476
N73-32108* #	c 09	NASA-CASE-GSC-11368-1 US-PATENT-APPL-SN-237029 US-PATENT-CLASS-136-24 US-PATENT-3,759,746	N73-32323* #	c 14	NASA-CASE-LAR-10440-1 US-PATENT-APPL-SN-229413 US-PATENT-CLASS-73-103 US-PATENT-CLASS-73-94 US-PATENT-3,757,568	N73-32750* #	c 31	NASA-CASE-LEW-11101-1 US-PATENT-APPL-SN-175983 US-PATENT-CLASS-244-1SC US-PATENT-CLASS-244-1SS US-PATENT-CLASS-47-1.4 US-PATENT-CLASS-47-17 US-PATENT-3,749,332
N73-32109* #	c 09	NASA-CASE-GSC-11394-1 US-PATENT-APPL-SN-292698 US-PATENT-CLASS-136-89 US-PATENT-CLASS-250-212 US-PATENT-CLASS-321-1.5 US-PATENT-3,760,257	N73-32324* #	c 14	NASA-CASE-LAR-02743 US-PATENT-APPL-SN-404212 US-PATENT-CLASS-313-7 US-PATENT-3,310,699	N73-32818* #	c 33	NASA-CASE-NPO-11942-1 US-PATENT-APPL-SN-266866 US-PATENT-CLASS-165-106 US-PATENT-CLASS-165-32 US-PATENT-CLASS-165-96 US-PATENT-CLASS-244-1SS US-PATENT-3,763,928
N73-32110* #	c 09	NASA-CASE-KSC-10729-1 US-PATENT-APPL-SN-221714 US-PATENT-CLASS-343-112R US-PATENT-CLASS-343-113R US-PATENT-3,754,263	N73-32325* #	c 14	NASA-CASE-XNP-04231 US-PATENT-APPL-SN-362261 US-PATENT-CLASS-250-41.9 US-PATENT-3,334,225	N73-33076* #	c 06	NASA-CASE-NPO-10767-1 US-PATENT-APPL-SN-241061 US-PATENT-APPL-SN-770417 US-PATENT-CLASS-260-77.5AP US-PATENT-3,755,265
N73-32111* #	c 09	NASA-CASE-ARC-10463-1 US-PATENT-APPL-SN-241615 US-PATENT-CLASS-331-94.5 US-PATENT-3,753,148	N73-32326* #	c 14	NASA-CASE-ARC-10362-1 US-PATENT-APPL-SN-198289 US-PATENT-CLASS-128-2.05F US-PATENT-CLASS-73-194EM US-PATENT-3,751,980	N73-33361* #	c 14	NASA-CASE-ARC-10468-1 US-PATENT-APPL-SN-288857 US-PATENT-CLASS-355-18 US-PATENT-CLASS-95-12 US-PATENT-3,764,209
			N73-32327* #	c 14	NASA-CASE-LAR-10483-1 US-PATENT-APPL-SN-184090 US-PATENT-CLASS-73-12 US-PATENT-CLASS-73-170R US-PATENT-3,763,691	N73-33383* #	c 15	NASA-CASE-LEW-11026-1 US-PATENT-APPL-SN-196970
			N73-32358* #	c 15	NASA-CASE-LEW-11388-1 US-PATENT-APPL-SN-289033 US-PATENT-CLASS-219-117 US-PATENT-CLASS-219-91 US-PATENT-CLASS-29-497 US-PATENT-3,758,741			
			N73-32359* #	c 15	NASA-CASE-LEW-11152-1 US-PATENT-APPL-SN-198379 US-PATENT-CLASS-308-35 US-PATENT-CLASS-308-9 US-PATENT-3,759,588			
			N73-32360* #	c 15	NASA-CASE-GSC-11163-1 US-PATENT-APPL-SN-205047			

		US-PATENT-CLASS-29-487				US-PATENT-CLASS-137-840				US-PATENT-CLASS-317-234E
		US-PATENT-CLASS-29-494				US-PATENT-3,770,021				US-PATENT-CLASS-317-234F
		US-PATENT-CLASS-29-497.5				N74-11283* # c 35	.....	NASA-CASE-NPO-11659-1		US-PATENT-CLASS-317-234M
		US-PATENT-CLASS-29-498				US-PATENT-APPL-SN-228189				US-PATENT-CLASS-317-234N
		US-PATENT-3,748,722				US-PATENT-CLASS-178-6.6DD				US-PATENT-CLASS-317-234R
N73-33397* #	c 16	.....	NASA-CASE-ARC-10444-1			US-PATENT-CLASS-179-100.2MD				US-PATENT-3,778,685
			US-PATENT-APPL-SN-167719			US-PATENT-CLASS-179-100.2T				N74-13011* # c 46
			US-PATENT-CLASS-331-94.5A			US-PATENT-CLASS-340-174.1L				.....
			US-PATENT-CLASS-350-285			US-PATENT-3,770,903				NASA-CASE-MS-12408-1
			US-PATENT-CLASS-356-138			N74-11284* # c 35	.....	NASA-CASE-NPO-11919-1		US-PATENT-APPL-SN-229916
			US-PATENT-CLASS-356-148			US-PATENT-APPL-SN-237694				US-PATENT-CLASS-423-579
			US-PATENT-CLASS-356-153			US-PATENT-CLASS-250-343				US-PATENT-3,773,913
			US-PATENT-CLASS-356-172			US-PATENT-3,766,380				N74-13129* # c 35
			US-PATENT-3,764,220			N74-11300* # c 37	.....	NASA-CASE-LEW-10533-2		NASA-CASE-FRC-10051-1
N74-10034* #	c 02	.....	NASA-CASE-LAR-10776-1			US-PATENT-APPL-SN-247055				US-PATENT-CLASS-254-93R
			US-PATENT-APPL-SN-211332			US-PATENT-CLASS-219-101				US-PATENT-CLASS-73-88R
			US-PATENT-CLASS-244-145			US-PATENT-CLASS-219-107				US-PATENT-3,776,028
			US-PATENT-3,764,097			US-PATENT-CLASS-219-78				N74-13130* # c 91
N74-10132* #	c 32	.....	NASA-CASE-NPO-11302-2			US-PATENT-CLASS-29-497.5				NASA-CASE-NPO-12127-1
			US-PATENT-APPL-SN-266822			US-PATENT-3,770,933				US-PATENT-APPL-SN-106106
			US-PATENT-APPL-SN-70967			N74-11301* # c 37	.....	NASA-CASE-LAR-10170-1		US-PATENT-CLASS-250-219DF
			US-PATENT-CLASS-178-69.4R			US-PATENT-APPL-SN-217213				US-PATENT-CLASS-250-83CD
			US-PATENT-3,766,315			US-PATENT-CLASS-117-105.2				US-PATENT-3,752,996
N74-10194* #	c 33	.....	NASA-CASE-NPO-11962-1			US-PATENT-CLASS-29-460				N74-13131* # c 39
			US-PATENT-APPL-SN-292681			US-PATENT-CLASS-29-498				.....
			US-PATENT-CLASS-331-1A			US-PATENT-CLASS-29-503				NASA-CASE-MFS-20730-1
			US-PATENT-CLASS-331-14			US-PATENT-CLASS-29-527.2				US-PATENT-APPL-SN-182977
			US-PATENT-CLASS-331-17			US-PATENT-3,769,689				US-PATENT-CLASS-269-48.1
			US-PATENT-CLASS-331-178			N74-11313* # c 36	.....	NASA-CASE-HQN-10790-1		US-PATENT-CLASS-83-452
			US-PATENT-CLASS-331-18			US-PATENT-APPL-SN-235962				US-PATENT-CLASS-83-602
			US-PATENT-CLASS-331-4			US-PATENT-CLASS-333-83R				US-PATENT-CLASS-83-917
			US-PATENT-3,764,933			US-PATENT-CLASS-333-97R				US-PATENT-3,777,605
N74-10195* #	c 33	.....	NASA-CASE-LEW-11617-1			US-PATENT-3,771,074				N74-13132* # c 35
			US-PATENT-APPL-SN-266832			N74-12778* # c 52	.....	NASA-CASE-MFS-20284-1		NASA-CASE-LAR-10910-1
			US-PATENT-CLASS-315-5.35			US-PATENT-APPL-SN-242027				US-PATENT-APPL-SN-239577
			US-PATENT-CLASS-315-5.38			US-PATENT-CLASS-128-2.05T				US-PATENT-CLASS-73-4R
			US-PATENT-3,764,850			US-PATENT-CLASS-128-2.06F				US-PATENT-CLASS-73-420
N74-10223* #	c 33	.....	NASA-CASE-LAR-10730-1			US-PATENT-CLASS-324-186				N74-13177* # c 31
			US-PATENT-APPL-SN-239573			US-PATENT-CLASS-324-78D				.....
			US-PATENT-CLASS-235-150.3			US-PATENT-3,773,038				NASA-CASE-LAR-10547-1
			US-PATENT-CLASS-235-92CA			N74-12779* # c 54	.....	NASA-CASE-MFS-21115-1		US-PATENT-APPL-SN-193980
			US-PATENT-CLASS-235-92DM			US-PATENT-APPL-SN-266930				US-PATENT-CLASS-264-294
			US-PATENT-CLASS-307-225R			US-PATENT-CLASS-222-309				US-PATENT-3,772,418
			US-PATENT-CLASS-328-48			US-PATENT-CLASS-222-340				N74-13178* # c 37
			US-PATENT-3,764,790			US-PATENT-CLASS-222-387				NASA-CASE-LAR-10544-1
N74-10415* #	c 35	.....	NASA-CASE-MFS-20335-1			US-PATENT-CLASS-222-514				US-PATENT-APPL-SN-188928
			US-PATENT-APPL-SN-238263			US-PATENT-3,777,942				US-PATENT-CLASS-222-193
			US-PATENT-CLASS-73-67.8S			N74-12812* # c 27	.....	NASA-CASE-ARC-10464-1		US-PATENT-3,776,432
			US-PATENT-3,765,229			US-PATENT-APPL-SN-198472				N74-13179* # c 37
N74-10474* #	c 37	.....	NASA-CASE-LEW-10326-3			US-PATENT-CLASS-260-2.5AM				NASA-CASE-LAR-10544-1
			US-PATENT-APPL-SN-99901			US-PATENT-3,772,216				US-PATENT-APPL-SN-188928
			US-PATENT-CLASS-277-25			N74-12813* # c 25	.....	NASA-CASE-LAR-10551-1		US-PATENT-CLASS-222-193
			US-PATENT-CLASS-277-27			US-PATENT-APPL-SN-191301				US-PATENT-3,776,432
			US-PATENT-CLASS-277-96			US-PATENT-CLASS-128-191R				N74-13205* # c 36
			US-PATENT-3,767,212			US-PATENT-CLASS-23-252R				.....
N74-10521* #	c 26	.....	NASA-CASE-LEW-10805-3			US-PATENT-CLASS-23-281				NASA-CASE-NPO-11317-2
			US-PATENT-APPL-SN-266928			US-PATENT-CLASS-23-288F				US-PATENT-APPL-SN-187143
			US-PATENT-APPL-SN-29917			US-PATENT-CLASS-23-288J				US-PATENT-APPL-SN-34989
			US-PATENT-CLASS-148-126			US-PATENT-CLASS-423-231				US-PATENT-CLASS-179-100.2CH
			US-PATENT-CLASS-29-420.5			US-PATENT-CLASS-55-510				US-PATENT-CLASS-250-205
			US-PATENT-CLASS-75-200			US-PATENT-CLASS-55-518				US-PATENT-CLASS-250-217
			US-PATENT-CLASS-75-226			US-PATENT-3,771,959				US-PATENT-CLASS-340-174.1M
			US-PATENT-3,765,958			N74-12814* # c 27	.....	NASA-CASE-ARC-10180-1		US-PATENT-CLASS-340-174YC
N74-10907* #	c 05	.....	NASA-CASE-XMF-02263			US-PATENT-APPL-SN-136253				US-PATENT-3,778,791
			US-PATENT-APPL-SN-78766			US-PATENT-CLASS-260-2.5L				N74-13270* # c 27
			US-PATENT-CLASS-D71-1			US-PATENT-3,772,220				.....
			US-PATENT-DES-228,688			N74-12887* # c 33	.....	NASA-CASE-NPO-11905-1		NASA-CASE-LEW-11262-1
N74-10942* #	c 08	.....	NASA-CASE-MS-12394-1			US-PATENT-APPL-SN-290030				US-PATENT-APPL-SN-136008
			US-PATENT-APPL-SN-341662			US-PATENT-CLASS-178-66				US-PATENT-CLASS-204-192
			US-PATENT-CLASS-244-83			US-PATENT-CLASS-325-320				US-PATENT-3,772,174
			US-PATENT-CLASS-318-580			US-PATENT-CLASS-329-104				N74-13420* # c 04
			US-PATENT-CLASS-318-628			US-PATENT-CLASS-329-122				.....
			US-PATENT-3,771,037			US-PATENT-CLASS-329-126				NASA-CASE-FRC-10049-1
N74-10975* #	c 52	.....	NASA-CASE-MS-13972-1			US-PATENT-3,772,272				US-PATENT-APPL-SN-232021
			US-PATENT-APPL-SN-200040			N74-12888* # c 60	.....	NASA-CASE-MS-14053-1		US-PATENT-CLASS-235.150.27
			US-PATENT-CLASS-128-2S			US-PATENT-APPL-SN-266899				US-PATENT-CLASS-235-150.22
			US-PATENT-CLASS-73-149			US-PATENT-CLASS-328-123				US-PATENT-CLASS-235-150.26
			US-PATENT-3,769,834			US-PATENT-CLASS-340-173CR				US-PATENT-CLASS-244-77A
N74-11000* #	c 32	.....	NASA-CASE-NPO-13171-1			US-PATENT-CLASS-340-173LM				US-PATENT-CLASS-244-77B
			US-PATENT-APPL-SN-290915			US-PATENT-3,778,786				US-PATENT-CLASS-343-108R
			US-PATENT-CLASS-343-781			N74-12912* # c 32	.....	NASA-CASE-NPO-11850-1		US-PATENT-3,776,455
			US-PATENT-CLASS-343-909			US-PATENT-APPL-SN-186700				N74-13436* # c 70
			US-PATENT-3,769,623			US-PATENT-CLASS-343-18B				.....
N74-11049* #	c 33	.....	NASA-CASE-HQN-10792-1			US-PATENT-CLASS-343-6.5R				NASA-CASE-LAR-10385-2
			US-PATENT-APPL-SN-245063			US-PATENT-CLASS-343-6.5SS				US-PATENT-APPL-SN-239803
			US-PATENT-CLASS-321-18			US-PATENT-3,772,691				US-PATENT-APPL-SN-38816
			US-PATENT-CLASS-321-2			N74-12913* # c 33	.....	NASA-CASE-LEW-11162-1		US-PATENT-CLASS-117-106A
			US-PATENT-CLASS-321-45S			US-PATENT-APPL-SN-143508				US-PATENT-CLASS-117-33.3
			US-PATENT-CLASS-323-DIG.1			US-PATENT-CLASS-313-153				US-PATENT-3,779,788
			US-PATENT-CLASS-331-113A			US-PATENT-CLASS-313-209				N74-13502* # c 20
			US-PATENT-CLASS-331-62			US-PATENT-CLASS-313-217				.....
			US-PATENT-3,771,040			US-PATENT-CLASS-313-224				NASA-CASE-LEW-11058-1
N74-11050* #	c 33	.....	NASA-CASE-LAR-10868-1			US-PATENT-CLASS-313-32				US-PATENT-APPL-SN-233519
			US-PATENT-APPL-SN-253249			US-PATENT-3,777,200				US-PATENT-CLASS-60-258
			US-PATENT-CLASS-137-819			N74-12951* # c 33	.....	NASA-CASE-MFS-21374-1		US-PATENT-CLASS-60-259
			US-PATENT-CLASS-137-833			US-PATENT-APPL-SN-238047				US-PATENT-3,777,490
										N74-14133* # c 31
									
										NASA-CASE-LAR-10782-1
										US-PATENT-APPL-SN-197689
										US-PATENT-CLASS-264-102
										US-PATENT-3,780,151
										N74-14784* # c 44
									
										NASA-CASE-LEW-11069-1
										US-PATENT-APPL-SN-83816
										US-PATENT-CLASS-136-89
										US-PATENT-CLASS-29-572
										US-PATENT-CLASS-29-588
										US-PATENT-3,780,424
										N74-14845* # c 54
									
										NASA-CASE-LAR-10241-1
										US-PATENT-APPL-SN-193672

ACCESSION NUMBER INDEX

N74-19310

N74-14920* #	c 62	US-PATENT-CLASS-9-11A	US-PATENT-CLASS-29-148.4B	US-PATENT-CLASS-317-16
		US-PATENT-3,781,933	US-PATENT-3,781,958	US-PATENT-CLASS-317-31
N74-14935* #	c 33	NASA-CASE-MSC-13932-1	N74-15130* #	US-PATENT-3,795,840
		US-PATENT-APPL-SN-229354	c 38	NASA-CASE-MFS-20767-1
N74-14939* #	c 33	US-PATENT-CLASS-235-153AK		US-PATENT-APPL-SN-196898
		US-PATENT-3,783,250		US-PATENT-CLASS-73-67.8S
N74-14956* #	c 33	NASA-CASE-MFS-21462-1	N74-15145* #	US-PATENT-3,777,552
		US-PATENT-APPL-SN-239576	c 36	NASA-CASE-NPO-11856-1
N74-15089* #	c 19	US-PATENT-CLASS-219-477		US-PATENT-APPL-SN-235268
		US-PATENT-CLASS-219-539		US-PATENT-CLASS-250-217SS
N74-15090* #	c 35	US-PATENT-CLASS-338-320		US-PATENT-CLASS-331-94.5K
		US-PATENT-3,732,397		US-PATENT-CLASS-350-6
N74-15091* #	c 35	NASA-CASE-FRC-10072-1		US-PATENT-CLASS-356-152
		US-PATENT-APPL-SN-162100		US-PATENT-CLASS-356-4
N74-15092* #	c 35	US-PATENT-CLASS-330-10		US-PATENT-CLASS-356-5
		US-PATENT-CLASS-330-35		US-PATENT-3,781,111
N74-15093* #	c 35	US-PATENT-CLASS-330-9	N74-15146* #	NASA-CASE-MFS-21455-1
		US-PATENT-3,783,399	c 35	US-PATENT-APPL-SN-281877
N74-15094* #	c 35	NASA-CASE-MSC-17832-1		US-PATENT-CLASS-350-3.5
		US-PATENT-APPL-SN-293727		US-PATENT-CLASS-356-106
N74-15095* #	c 74	US-PATENT-CLASS-307-127		US-PATENT-CLASS-73-71.3
		US-PATENT-CLASS-317-33SC		US-PATENT-3,782,825
N74-15096* #	c 35	US-PATENT-CLASS-317-43	N74-15395* #	NASA-CASE-MFS-21233-1
		US-PATENT-CLASS-317-46	c 38	US-PATENT-APPL-SN-246056
N74-15097* #	c 35	US-PATENT-CLASS-317-47		US-PATENT-CLASS-324-40
		US-PATENT-CLASS-317-48		US-PATENT-CLASS-73-67.5R
N74-15098* #	c 35	US-PATENT-3,783,354		US-PATENT-CLASS-73-71.5U
		NASA-CASE-LAR-10586-1		US-PATENT-3,782,177
N74-15099* #	c 35	US-PATENT-APPL-SN-289049	N74-15453* #	NASA-CASE-LEW-11569-1
		US-PATENT-CLASS-102-70.2R	c 07	US-PATENT-APPL-SN-316618
N74-15100* #	c 35	US-PATENT-CLASS-244-1SA		US-PATENT-CLASS-181-43
		US-PATENT-CLASS-244-3.16		US-PATENT-3,780,827
N74-15101* #	c 35	US-PATENT-CLASS-250-203R	N74-15652* #	NASA-CASE-LAR-10105-1
		US-PATENT-CLASS-250-237R	c 34	US-PATENT-APPL-SN-170680
N74-15102* #	c 35	US-PATENT-3,780,966		US-PATENT-CLASS-73-86
		NASA-CASE-NPO-11432-2		US-PATENT-3,782,181
N74-15103* #	c 35	US-PATENT-APPL-SN-258152	N74-15778* #	NASA-CASE-ARC-10302-1
		US-PATENT-APPL-SN-88435	c 51	US-PATENT-APPL-SN-203271
N74-15104* #	c 35	US-PATENT-CLASS-250-211J		US-PATENT-CLASS-119-51.13
		US-PATENT-CLASS-250-214		US-PATENT-CLASS-119-51.5
N74-15105* #	c 35	US-PATENT-CLASS-317-235N		US-PATENT-CLASS-119-51R
		US-PATENT-3,781,549		US-PATENT-CLASS-119-52AF
N74-15106* #	c 35	NASA-CASE-LAR-11155-1		US-PATENT-CLASS-119-54
		US-PATENT-APPL-SN-313381		US-PATENT-CLASS-221-265
N74-15107* #	c 35	US-PATENT-CLASS-250-360		US-PATENT-3,782,334
		US-PATENT-CLASS-250-361		NASA-CASE-GSC-11553-1
N74-15108* #	c 35	US-PATENT-CLASS-250-369	N74-15831* #	US-PATENT-APPL-SN-177985
		US-PATENT-CLASS-250-492	c 35	US-PATENT-CLASS-178-6.7R
N74-15109* #	c 35	US-PATENT-3,781,562		US-PATENT-CLASS-219-216
		NASA-CASE-LAR-10862-1		US-PATENT-CLASS-219-388
N74-15110* #	c 35	US-PATENT-APPL-SN-271951		US-PATENT-CLASS-34-162
		US-PATENT-CLASS-73-4V		US-PATENT-CLASS-346-108
N74-15111* #	c 35	US-PATENT-3,780,563		US-PATENT-CLASS-346-138
		NASA-CASE-ARC-10442-1		US-PATENT-CLASS-346-24
N74-15112* #	c 35	US-PATENT-APPL-SN-280032		US-PATENT-CLASS-95-89R
		US-PATENT-CLASS-165-109		US-PATENT-3,781,902
N74-15113* #	c 35	US-PATENT-CLASS-165-2	N74-16135* #	NASA-CASE-LAR-10595-1
		US-PATENT-CLASS-259-DIG.18	c 35	US-PATENT-APPL-SN-273240
N74-15114* #	c 35	US-PATENT-CLASS-259-60		US-PATENT-CLASS-340-12R
		US-PATENT-CLASS-62-45		US-PATENT-CLASS-340-6R
N74-15115* #	c 35	US-PATENT-3,782,698		US-PATENT-CLASS-340-8R
		NASA-CASE-NPO-13044-1		US-PATENT-3,783,443
N74-15116* #	c 35	US-PATENT-APPL-SN-305012	N74-17153* #	NASA-CASE-MFS-21087-1
		US-PATENT-CLASS-73-497	c 35	US-PATENT-APPL-SN-149283
N74-15117* #	c 35	US-PATENT-CLASS-73-517B		US-PATENT-CLASS-350-3.5
		US-PATENT-CLASS-74-5.6		US-PATENT-3,752,556
N74-15118* #	c 35	US-PATENT-3,782,205	N74-17283* #	NASA-CASE-MFS-20486-2
		NASA-CASE-MSC-14096-1	c 27	US-PATENT-APPL-SN-292382
N74-15119* #	c 35	US-PATENT-APPL-SN-242662		US-PATENT-APPL-SN-84212
		US-PATENT-CLASS-350-236		US-PATENT-CLASS-260-29.6S
N74-15120* #	c 35	US-PATENT-CLASS-350-285		US-PATENT-3,784,499
		US-PATENT-CLASS-350-7		NASA-CASE-MFS-21163-1
N74-15121* #	c 35	US-PATENT-CLASS-356-216	N74-17853* #	US-PATENT-APPL-SN-266925
		US-PATENT-CLASS-356-43	c 54	US-PATENT-CLASS-222-324
N74-15122* #	c 37	US-PATENT-3,782,835		US-PATENT-CLASS-224-444
		NASA-CASE-XLE-10326-4		US-PATENT-3,790,037
N74-15123* #	c 37	US-PATENT-APPL-SN-220251		NASA-CASE-MSC-13855-1
		US-PATENT-APPL-SN-54540	N74-17885* #	US-PATENT-APPL-SN-196931
N74-15124* #	c 37	US-PATENT-APPL-SN-723465		US-PATENT-CLASS-325-38B
		US-PATENT-CLASS-277-27		US-PATENT-CLASS-332-11D
N74-15125* #	c 37	US-PATENT-CLASS-277-91		US-PATENT-CLASS-340-347AD
		US-PATENT-3,782,737		US-PATENT-3,795,900
N74-15126* #	c 35	NASA-CASE-ARC-10441-1	N74-17927* #	NASA-CASE-NPO-13138-1
		US-PATENT-APPL-SN-280029	c 33	US-PATENT-APPL-SN-335201
N74-15127* #	c 35	US-PATENT-CLASS-259-98		US-PATENT-CLASS-328-155
		US-PATENT-CLASS-417-470		US-PATENT-CLASS-333-16
N74-15128* #	c 35	US-PATENT-CLASS-417-471		US-PATENT-CLASS-333-18
		US-PATENT-3,782,699		US-PATENT-3,790,906
N74-15129* #	c 35	NASA-CASE-NPO-11682-1	N74-17928* #	NASA-CASE-NPO-11966-1
		US-PATENT-APPL-SN-187365	c 33	NASA-CASE-NPO-13159-1
N74-15130* #	c 33	US-PATENT-CLASS-23-284		US-PATENT-APPL-SN-284245
		US-PATENT-3,782,904		US-PATENT-CLASS-100-8
N74-15131* #	c 33	NASA-CASE-LEW-11087-2		US-PATENT-CLASS-336-210
		US-PATENT-APPL-SN-201904		US-PATENT-3,792,399
N74-15132* #	c 33	US-PATENT-APPL-SN-280390	N74-17929* #	NASA-CASE-ARC-10197-1
		US-PATENT-CLASS-29-148.4A	c 33	US-PATENT-APPL-SN-310624
N74-17930* #	c 33			US-PATENT-CLASS-317-16
				US-PATENT-CLASS-317-31
N74-17955* #	c 09			US-PATENT-3,795,840
				NASA-CASE-NUC-10107-1
N74-18088* #	c 35			US-PATENT-APPL-SN-201700
				US-PATENT-CLASS-324-102
N74-18089* #	c 31			US-PATENT-CLASS-324-118
				US-PATENT-CLASS-329-50
N74-18090* #	c 35			US-PATENT-3,795,862
				NASA-CASE-LAR-10812-1
N74-18123* #	c 37			US-PATENT-APPL-SN-263815
				US-PATENT-CLASS-73-147
N74-18124* #	c 31			US-PATENT-3,791,207
				NASA-CASE-LAR-11027-1
N74-18125* #	c 37			US-PATENT-APPL-SN-275118
				US-PATENT-CLASS-250-338
N74-18126* #	c 37			US-PATENT-CLASS-250-370
				US-PATENT-CLASS-250-371
N74-18127* #	c 37			US-PATENT-3,790,795
				NASA-CASE-LAR-10318-1
N74-18128* #	c 37			US-PATENT-APPL-SN-224489
				US-PATENT-CLASS-156-245
N74-18129* #	c 37			US-PATENT-CLASS-156-247
				US-PATENT-CLASS-156-285
N74-18130* #	c 72			US-PATENT-CLASS-156-309
				US-PATENT-3,793,109
N74-18131* #	c 72			NASA-CASE-NPO-13160-1
				US-PATENT-APPL-SN-359157
N74-18132* #	c 72			US-PATENT-CLASS-321-8R
				US-PATENT-CLASS-324-57R
N74-18133* #	c 72			US-PATENT-3,795,858
				NASA-CASE-LAR-10634-1
N74-18134* #	c 72			US-PATENT-APPL-SN-214084
				US-PATENT-CLASS-23-253PC
N74-18135* #	c 72			US-PATENT-CLASS-23-259
				US-PATENT-CLASS-259-72
N74-18136* #	c 72			US-PATENT-CLASS-312-209
				US-PATENT-CLASS-356-197
N74-18137* #	c 72			US-PATENT-CLASS-356-85
				US-PATENT-3,790,347
N74-18138* #	c 72			NASA-CASE-LAR-10489-1
				US-PATENT-APPL-SN-198763
N74-18139* #	c 72			US-PATENT-CLASS-264-102
				US-PATENT-3,790,650
N74-18140* #	c 72			NASA-CASE-MFS-21309-1
				US-PATENT-APPL-SN-244519
N74-18141* #	c 72			US-PATENT-CLASS-180-79.3
				US-PATENT-CLASS-301-5P
N74-18142* #	c 72			US-PATENT-3,789,947
				NASA-CASE-MFS-21364-1
N74-18143* #	c 72			US-PATENT-APPL-SN-214006
				US-PATENT-CLASS-156-331
N74-18144* #	c 72			US-PATENT-CLASS-161-182
				US-PATENT-CLASS-161-192
N74-18145* #	c 72			US-PATENT-CLASS-161-42
				US-PATENT-CLASS-161-43
N74-18146* #	c 72			US-PATENT-CLASS-161-93
				US-PATENT-CLASS-260-2R
N74-18147* #	c 72			US-PATENT-CLASS-264-135
				US-PATENT-CLASS-264-136
N74-18148* #	c 72			US-PATENT-CLASS-264-257
				US-PATENT-3,790,432
N74-18149* #	c 72			NASA-CASE-MFS-21481-1
				US-PATENT-APPL-SN-266771
N74-18150* #	c 72			US-PATENT-CLASS-128-25R
				US-PATENT-CLASS-272-73
N74-18151* #	c 72			US-PATENT-CLASS-272-80
				US-PATENT-CLASS-74-594.6
N74-18152* #	c 72			US-PATENT-CLASS-74-594.7
				US-PATENT-3,788,163
N74-18153* #	c 72			NASA-CASE-LEW-11387-1
				US-PATENT-APPL-SN-247090
N74-18154* #	c 72			US-PATENT-CLASS-29-482
				US-PATENT-CLASS-29-488
N74-18155* #	c 72			US-PATENT-CLASS-29-497
				US-PATENT-CLASS-29-4

		US-PATENT-CLASS-356-28				US-PATENT-CLASS-325-320				US-PATENT-3,800,253
		US-PATENT-3,795,448				US-PATENT-CLASS-325-419				NASA-CASE-LAR-10941-1
N74-19528* #	c 09	NASA-CASE-LAR-10426-1				US-PATENT-CLASS-329-122		N74-21057* #	c 37	US-PATENT-APPL-SN-289048
		US-PATENT-APPL-SN-239575				US-PATENT-3,806,815				US-PATENT-CLASS-29-470.1
		US-PATENT-CLASS-73-15.6				NASA-CASE-FRC-10071-1		N74-21058* #	c 37	US-PATENT-3,797,098
		US-PATENT-CLASS-73-91				US-PATENT-APPL-SN-307727				NASA-CASE-MFS-22411-1
		US-PATENT-3,795,134				US-PATENT-CLASS-178-7.7				US-PATENT-APPL-SN-382262
N74-19692* #	c 44	NASA-CASE-GSC-11367-1				US-PATENT-CLASS-315-18				US-PATENT-CLASS-260-448.2N
		US-PATENT-APPL-SN-236985				US-PATENT-CLASS-315-22		N74-21059* #	c 31	US-PATENT-3,801,617
		US-PATENT-CLASS-136-36				US-PATENT-3,803,445				NASA-CASE-LAR-10409-1
		US-PATENT-3,759,747				NASA-CASE-ERC-10180-1				US-PATENT-APPL-SN-340864
N74-19693* #	c 44	NASA-CASE-NPO-11806-1				US-PATENT-APPL-SN-838278				US-PATENT-CLASS-29-423
		US-PATENT-APPL-SN-228163				US-PATENT-CLASS-235-164				US-PATENT-3,798,741
		US-PATENT-CLASS-136-20				US-PATENT-3,803,393		N74-21060* #	c 37	NASA-CASE-NPO-13105-1
		US-PATENT-CLASS-136-30				NASA-CASE-XLE-2529-3				US-PATENT-APPL-SN-283502
		US-PATENT-3,790,409				US-PATENT-APPL-SN-288856				US-PATENT-CLASS-60-25
N74-19769* #	c 24	NASA-CASE-ERC-10073-1				US-PATENT-APPL-SN-487929				US-PATENT-3,798,896
		US-PATENT-APPL-SN-856253				US-PATENT-APPL-SN-848403		N74-21061* #	c 37	NASA-CASE-LEW-11076-1
		US-PATENT-CLASS-117-95				US-PATENT-CLASS-315-211				US-PATENT-APPL-SN-238264
		US-PATENT-3,796,592				US-PATENT-CLASS-315-22D				US-PATENT-CLASS-308-73
N74-19788* #	c 32	NASA-CASE-NPO-11820-1				US-PATENT-CLASS-331-94.5D				US-PATENT-3,804,472
		US-PATENT-APPL-SN-266912				US-PATENT-CLASS-332-7.51		N74-21062* #	c 35	NASA-CASE-LAR-10295-1
		US-PATENT-CLASS-307-237				US-PATENT-3,806,835				US-PATENT-APPL-SN-221685
		US-PATENT-CLASS-328-160				NASA-CASE-GSC-11446-1				US-PATENT-CLASS-73-12
		US-PATENT-CLASS-328-168				US-PATENT-APPL-SN-263230				US-PATENT-CLASS-73-432
		US-PATENT-CLASS-328-172				US-PATENT-CLASS-343-DIG.2				US-PATENT-3,805,622
		US-PATENT-CLASS-333-14				US-PATENT-CLASS-343-100SA		N74-21063* #	c 37	NASA-CASE-LEW-10698-1
		US-PATENT-3,800,237				US-PATENT-CLASS-343-100ST				US-PATENT-APPL-SN-30498
N74-19790* #	c 32	NASA-CASE-MFS-21540-1				US-PATENT-CLASS-343-854				US-PATENT-CLASS-106-52
		US-PATENT-APPL-SN-333912				US-PATENT-3,806,932				US-PATENT-CLASS-117-129
		US-PATENT-CLASS-178-7.1				NASA-CASE-GSC-11560-1				US-PATENT-CLASS-161-196
		US-PATENT-CLASS-325-148				US-PATENT-APPL-SN-361906				US-PATENT-CLASS-65-DIG.11
		US-PATENT-3,800,224				US-PATENT-CLASS-350-269				US-PATENT-3,804,703
N74-19870* #	c 44	NASA-CASE-MFS-21470-1				US-PATENT-CLASS-354-234		N74-21064* #	c 37	NASA-CASE-LEW-11087-3
		US-PATENT-APPL-SN-340871				US-PATENT-CLASS-95-53EA				US-PATENT-APPL-SN-201904
		US-PATENT-CLASS-325-62				US-PATENT-3,804,506				US-PATENT-APPL-SN-346361
		US-PATENT-CLASS-333-17				NASA-CASE-GSC-11513-1				US-PATENT-CLASS-308-188
		US-PATENT-CLASS-343-17.7				US-PATENT-APPL-SN-315069				US-PATENT-CLASS-308-191
		US-PATENT-CLASS-343-7.5				US-PATENT-CLASS-331-108A				US-PATENT-3,802,753
		US-PATENT-3,795,910				US-PATENT-CLASS-331-115		N74-21065* #	c 37	NASA-CASE-NPO-11951-1
N74-20008* #	c 74	NASA-CASE-GSC-11188-3				US-PATENT-CLASS-331-116R				US-PATENT-APPL-SN-287150
		US-PATENT-APPL-SN-244566				US-PATENT-CLASS-331-159				US-PATENT-CLASS-137-628
		US-PATENT-APPL-SN-80029				US-PATENT-3,806,831				US-PATENT-CLASS-251-120
		US-PATENT-CLASS-117-45				NASA-CASE-GSC-11909				US-PATENT-CLASS-251-122
		US-PATENT-3,799,793				US-PATENT-APPL-SN-244158				US-PATENT-CLASS-251-210
N74-20009* #	c 36	NASA-CASE-NPO-11861-1				US-PATENT-CLASS-343-730				US-PATENT-3,802,660
		US-PATENT-APPL-SN-266911				US-PATENT-CLASS-343-786		N74-21091* #	c 36	NASA-CASE-GSC-11262-1
		US-PATENT-CLASS-178-DIG.1				US-PATENT-CLASS-343-797				US-PATENT-APPL-SN-162380
		US-PATENT-CLASS-178-6				US-PATENT-CLASS-343-853				US-PATENT-CLASS-250-204
		US-PATENT-CLASS-178-7.6				US-PATENT-3,803,617				US-PATENT-CLASS-33-285
		US-PATENT-3,800,074				NASA-CASE-GSC-11428-1				US-PATENT-CLASS-356-141
N74-20063* #	c 37	NASA-CASE-LAR-10129-2				US-PATENT-APPL-SN-292685				US-PATENT-CLASS-356-152
		US-PATENT-APPL-SN-319410				US-PATENT-CLASS-343-708				US-PATENT-CLASS-356-172
		US-PATENT-APPL-SN-99201				US-PATENT-CLASS-343-769				US-PATENT-3,804,525
		US-PATENT-CLASS-312-1				US-PATENT-CLASS-343-853		N74-21156* #	c 27	NASA-CASE-ARC-10592-1
		US-PATENT-3,796,473				US-PATENT-3,805,266				US-PATENT-APPL-SN-321179
N74-20329* #	c 76	NASA-CASE-GSC-11425-1				NASA-CASE-HQN-10832-1				US-PATENT-CLASS-260.46.5E
		US-PATENT-APPL-SN-206266				US-PATENT-APPL-SN-301417				US-PATENT-3,803,090
		US-PATENT-CLASS-148-1.5				US-PATENT-CLASS-178-DIG.32		N74-21300* #	c 70	NASA-CASE-ARC-10516-1
		US-PATENT-3,799,813				US-PATENT-CLASS-178-5.8R				US-PATENT-APPL-SN-267768
N74-20646* #	c 02	NASA-CASE-LEW-11188-1				US-PATENT-CLASS-178-7.2				US-PATENT-CLASS-350-270
		US-PATENT-APPL-SN-152328				US-PATENT-CLASS-340-407				US-PATENT-CLASS-354-234
		US-PATENT-CLASS-137-15.1				US-PATENT-CLASS-35-35A				US-PATENT-3,797,919
		US-PATENT-CLASS-137-15.2				US-PATENT-3,800,082		N74-21304* #	c 74	NASA-CASE-GSC-11353-1
		US-PATENT-CLASS-244-53B				NASA-CASE-LAR-10626-1				US-PATENT-APPL-SN-260241
		US-PATENT-3,799,475				US-PATENT-APPL-SN-202750				US-PATENT-CLASS-250-231SE
N74-20725* #	c 54	NASA-CASE-MFS-22102-1				US-PATENT-CLASS-33-1SA				US-PATENT-CLASS-350-299
		US-PATENT-APPL-SN-341621				US-PATENT-CLASS-33-46R				US-PATENT-CLASS-356-152
		US-PATENT-CLASS-4-10				US-PATENT-3,796,776				US-PATENT-3,802,779
		US-PATENT-CLASS-4-120				NASA-CASE-MFS-21660-1		N74-21850* #	c 33	NASA-CASE-GSC-11602-1
		US-PATENT-3,805,303				US-PATENT-APPL-SN-310616				US-PATENT-APPL-SN-298157
N74-20726* #	c 52	NASA-CASE-ARC-10597-1				US-PATENT-CLASS-324-83Q				US-PATENT-CLASS-315-10
		US-PATENT-APPL-SN-281876				US-PATENT-3,806,802				US-PATENT-CLASS-315-11
		US-PATENT-CLASS-128-2V				NASA-CASE-LEW-10981-1				US-PATENT-CLASS-315-12
		US-PATENT-CLASS-73-67.9				US-PATENT-APPL-SN-214089				US-PATENT-3,806,756
		US-PATENT-3,802,253				US-PATENT-CLASS-310-11		N74-21851* #	c 33	NASA-CASE-ARC-10596-1
N74-20728* #	c 52	NASA-CASE-MFS-21415-1				US-PATENT-CLASS-324-34FL				US-PATENT-APPL-SN-267862
		US-PATENT-APPL-SN-318152				US-PATENT-CLASS-73-194EM				US-PATENT-CLASS-330-28
		US-PATENT-CLASS-128-2.07				US-PATENT-3,802,262				US-PATENT-CLASS-330-59
		US-PATENT-CLASS-128-2.08				NASA-CASE-GSC-11600-1				US-PATENT-3,811,094
		US-PATENT-CLASS-73-23				US-PATENT-APPL-SN-318357		N74-22095* #	c 35	NASA-CASE-NPO-10617-1
		US-PATENT-CLASS-73-421.5R				US-PATENT-CLASS-73-1F				US-PATENT-APPL-SN-828920
		US-PATENT-3,799,149				US-PATENT-3,802,249				US-PATENT-CLASS-73-190H
N74-20809* #	c 32	NASA-CASE-MSC-12462-1				NASA-CASE-LEW-11388-2				US-PATENT-3,648,516
		US-PATENT-APPL-SN-274360				US-PATENT-APPL-SN-289033		N74-22096* #	c 32	NASA-CASE-XLE-04791
		US-PATENT-CLASS-178-88				US-PATENT-APPL-SN-293726				US-PATENT-APPL-SN-582213
		US-PATENT-CLASS-325-320				US-PATENT-CLASS-29-487				US-PATENT-CLASS-330-103
		US-PATENT-CLASS-325-423				US-PATENT-CLASS-29-494				US-PATENT-3,404,348
		US-PATENT-3,800,227				US-PATENT-CLASS-29-498		N74-22136* #	c 18	NASA-CASE-MFS-20922-1
N74-20810* #	c 32	NASA-CASE-MSC-12494-1				US-PATENT-CLASS-29-504				US-PATENT-APPL-SN-220274
		US-PATENT-APPL-SN-304705				US-PATENT-3,798,748				US-PATENT-CLASS-244-1SS
		US-PATENT-CLASS-325-321				NASA-CASE-LAR-10688-1				US-PATENT-CLASS-49-68
		US-PATENT-CLASS-325-419				US-PATENT-APPL-SN-285705				US-PATENT-CLASS-61-83
		US-PATENT-3,806,816				US-PATENT-CLASS-235-151				US-PATENT-3,807,656
N74-20811* #	c 32	NASA-CASE-NPO-13103-1				US-PATENT-CLASS-235-92PE		N74-22771* #	c 52	NASA-CASE-ARC-10447-1
		US-PATENT-APPL-SN-338484				US-PATENT-CLASS-235-92SB				US-PATENT-APPL-SN-311175

ACCESSION NUMBER INDEX

N74-27901

			US-PATENT-CLASS-128-214E				US-PATENT-CLASS-128-2.05S				US-PATENT-CLASS-181-33HE
			US-PATENT-CLASS-235-151.3				US-PATENT-3,814,083				US-PATENT-CLASS-239-265.17
			US-PATENT-3,809,871				NASA-CASE-MSC-14065-1				US-PATENT-3,820,630
N74-22814* #	c 33		NASA-CASE-NPO-13081-1	N74-26654* #	c 32		US-PATENT-APPL-SN-297128	N74-27519* #	c 44		NASA-CASE-MFS-20761-1
			US-PATENT-APPL-SN-345372				US-PATENT-CLASS-178-67				US-PATENT-APPL-SN-326327
			US-PATENT-CLASS-307-215				US-PATENT-CLASS-325-30				US-PATENT-CLASS-136-182
			US-PATENT-CLASS-307-243				US-PATENT-3,816,657				US-PATENT-CLASS-324-29.5
			US-PATENT-CLASS-307-290	N74-26732* #	c 33		NASA-CASE-MFS-21698-1				US-PATENT-CLASS-324-72.5
			US-PATENT-CLASS-328-154				US-PATENT-APPL-SN-37050	N74-27566* #	c 52		US-PATENT-3,818,325
			US-PATENT-3,808,464				US-PATENT-CLASS-331-109				NASA-CASE-GSC-11531-1
N74-22864* #	c 33		NASA-CASE-XER-11046-2				US-PATENT-CLASS-331-117R				US-PATENT-APPL-SN-291845
			US-PATENT-APPL-SN-810579				US-PATENT-CLASS-331-183				US-PATENT-CLASS-128-2.05E
			US-PATENT-APPL-SN-87597				US-PATENT-3,815,048				US-PATENT-CLASS-73-398AR
			US-PATENT-CLASS-321-45R	N74-26767* #	c 73		NASA-CASE-NPO-13112-1	N74-27612* #	c 32		US-PATENT-3,811,429
			US-PATENT-3,808,511				US-PATENT-APPL-SN-267572				NASA-CASE-MSC-14219-1
N74-22865* #	c 33		NASA-CASE-LAR-10168-1				US-PATENT-CLASS-250-499				US-PATENT-APPL-SN-324029
			US-PATENT-APPL-SN-354407				US-PATENT-CLASS-313-61S				US-PATENT-CLASS-117-2P
			US-PATENT-CLASS-174-DIG.8				US-PATENT-3,816,785				US-PATENT-CLASS-156-94
			US-PATENT-CLASS-174-69	N74-26945* #	c 35		NASA-CASE-MFS-21558-1				US-PATENT-CLASS-179-100.2A
			US-PATENT-CLASS-174-70R				US-PATENT-APPL-SN-340791				US-PATENT-CLASS-179-100.2B
			US-PATENT-CLASS-244-151R				US-PATENT-CLASS-177-200				US-PATENT-CLASS-264-36
			US-PATENT-3,809,800				US-PATENT-CLASS-177-211				US-PATENT-3,819,440
N74-22885* #	c 33		NASA-CASE-MFS-21671-1				US-PATENT-CLASS-177-246	N74-27682* #	c 33		NASA-CASE-ARC-10593-1
			US-PATENT-APPL-SN-329958				US-PATENT-CLASS-73-141A				US-PATENT-APPL-SN-310193
			US-PATENT-CLASS-323-106				US-PATENT-3,812,924				US-PATENT-CLASS-250-207
			US-PATENT-CLASS-323-122	N74-26946* #	c 35		NASA-CASE-MFS-22040-1				US-PATENT-CLASS-307-252L
			US-PATENT-CLASS-323-128				US-PATENT-APPL-SN-365644				US-PATENT-CLASS-307-252Q
			US-PATENT-3,808,517				US-PATENT-CLASS-350-3.5	N74-27683* #	c 33		US-PATENT-3,821,546
N74-23039* #	c 34		NASA-CASE-GSC-11620-1				US-PATENT-CLASS-96-38.3				NASA-CASE-LEW-10950-1
			US-PATENT-APPL-SN-280305				US-PATENT-CLASS-96-79				US-PATENT-APPL-SN-273222
			US-PATENT-CLASS-126-270				US-PATENT-3,815,969				US-PATENT-CLASS-174-111
			US-PATENT-CLASS-244-127	N74-26947* #	c 25		NASA-CASE-ARC-10633-1				US-PATENT-CLASS-174-15C
			US-PATENT-CLASS-244-31				US-PATENT-APPL-SN-354611				US-PATENT-CLASS-174-28
			US-PATENT-3,807,384				US-PATENT-CLASS-250-304				US-PATENT-CLASS-310-4R
N74-23040* #	c 35		NASA-CASE-NPO-11932-1				US-PATENT-CLASS-250-343	N74-27705* #	c 33		US-PATENT-3,821,462
			NASA-CASE-NPO-13127-1				US-PATENT-CLASS-250-373				NASA-CASE-MSC-14066-1
			US-PATENT-APPL-SN-311234				US-PATENT-3,814,939	</			

		US-PATENT-APPL-SN-310615				US-PATENT-APPL-SN-235338				US-PATENT-3,830,552		
		US-PATENT-CLASS-74-675				US-PATENT-CLASS-181.5R			N74-33209* #	c 28	NASA-CASE-NPO-11975-1	
		US-PATENT-CLASS-74-710				US-PATENT-CLASS-73-69					US-PATENT-APPL-SN-329243	
		US-PATENT-3,818,775				US-PATENT-CLASS-73-71.5R					US-PATENT-CLASS-149-17	
N74-27902* #	c 31	NASA-CASE-GSC-11445-1				US-PATENT-3,827,288					US-PATENT-CLASS-149-60	
		US-PATENT-APPL-SN-248471			N74-31269* #	c 20	NASA-CASE-LEW-11646-1				US-PATENT-CLASS-149-76	
		US-PATENT-CLASS-236-49					US-PATENT-APPL-SN-292686				US-PATENT-3,830,673	
		US-PATENT-CLASS-98-39					US-PATENT-CLASS-204-192			N74-33218* #	c 07	NASA-CASE-ARC-10712-1
		US-PATENT-3,818,814					US-PATENT-3,826,729					US-PATENT-APPL-SN-344410
N74-27903* #	c 37	NASA-CASE-MSC-12549-1			N74-31270* #	c 07	NASA-CASE-LAR-10642-1					US-PATENT-CLASS-181-33HC
		US-PATENT-APPL-SN-301039					US-PATENT-APPL-SN-266820					US-PATENT-CLASS-239-265.11
		US-PATENT-CLASS-244-1SD					US-PATENT-CLASS-137-15.1					US-PATENT-3,830,431
		US-PATENT-3,820,741					US-PATENT-CLASS-415-181			N74-33378* #	c 25	NASA-CASE-MFS-21675-1
N74-27904* #	c 37	NASA-CASE-LEW-11672-1			N74-32418* #	c 07	US-PATENT-3,829,237					US-PATENT-APPL-SN-392823
		US-PATENT-APPL-SN-305639					NASA-CASE-LAR-11141-1					US-PATENT-CLASS-23-277C
		US-PATENT-CLASS-417-52					US-PATENT-APPL-SN-359957					US-PATENT-CLASS-431-202
		US-PATENT-3,819,299					US-PATENT-CLASS-181-33C					US-PATENT-3,833,336
N74-27905* #	c 37	NASA-CASE-LAR-10450-1					US-PATENT-CLASS-181-33F			N74-33379* #	c 44	NASA-CASE-ARC-10461-1
		US-PATENT-APPL-SN-289017					US-PATENT-CLASS-181-33H					US-PATENT-APPL-SN-336319
		US-PATENT-CLASS-51-225					US-PATENT-CLASS-181-33L					US-PATENT-CLASS-60-527
		US-PATENT-CLASS-51-234					US-PATENT-CLASS-181-42					US-PATENT-3,830,060
		US-PATENT-CLASS-51-97R					US-PATENT-3,830,335			N74-34638* #	c 33	NASA-CASE-MFS-22343-1
		US-PATENT-3,820,286			N74-32546* #	c 54	NASA-CASE-MSC-11072					US-PATENT-APPL-SN-329237
N74-28097* #	c 35	NASA-CASE-GSC-11479-1					US-PATENT-APPL-SN-689455					US-PATENT-CLASS-307-18
		US-PATENT-APPL-SN-293739					US-PATENT-CLASS-156-218					US-PATENT-CLASS-307-295
		US-PATENT-CLASS-244-1SA					US-PATENT-CLASS-2-2.1A					US-PATENT-CLASS-307-304
		US-PATENT-CLASS-74-5.5					US-PATENT-CLASS-2-82					US-PATENT-CLASS-307-35
		US-PATENT-3,818,767					US-PATENT-3,832,735					US-PATENT-3,840,829
N74-28226* #	c 07	NASA-CASE-LEW-11402-1			N74-32598* #	c 32	NASA-CASE-MSC-14070-1			N74-34672* #	c 85	NASA-CASE-LAR-10256-1
		US-PATENT-APPL-SN-219806					US-PATENT-APPL-SN-266940					US-PATENT-APPL-SN-220785
		US-PATENT-CLASS-415-181					US-PATENT-CLASS-340-146.1AQ					US-PATENT-CLASS-104-138R
		US-PATENT-CLASS-416-223					US-PATENT-3,831,142					US-PATENT-CLASS-104-23FS
		US-PATENT-CLASS-416-237			N74-32660* #	c 33	NASA-CASE-GSC-11617-1					US-PATENT-CLASS-238-134
		US-PATENT-3,820,918					US-PATENT-APPL-SN-402865					US-PATENT-3,837,285
N74-29410* #	c 19	NASA-CASE-MFS-21577-1					US-PATENT-CLASS-330-4.9			N74-34857* #	c 35	NASA-CASE-LAR-11428-1
		US-PATENT-APPL-SN-343308					US-PATENT-CLASS-330-53					US-PATENT-APPL-SN-188836
		US-PATENT-CLASS-250-372					US-PATENT-3,833,857					US-PATENT-APPL-SN-357126
		US-PATENT-CLASS-250-394					NASA-CASE-MSC-14130-1					US-PATENT-CLASS-250-281
		US-PATENT-3,825,760			N74-32711* #	c 33	US-PATENT-APPL-SN-373587					US-PATENT-CLASS-250-295
N74-29556* #	c 33	NASA-CASE-KSC-10769-1					US-PATENT-CLASS-307-267			N75-12086* #	c 25	US-PATENT-3,835,318
		US-PATENT-APPL-SN-374583					US-PATENT-CLASS-328-58					NASA-CASE-ARC-10469-1
		US-PATENT-CLASS-318-602					US-PATENT-3,831,098					US-PATENT-APPL-SN-281908
		US-PATENT-CLASS-318-603			N74-32712* #	c 33	NASA-CASE-NPO-11948-1					US-PATENT-CLASS-195-103.5R
		US-PATENT-CLASS-318-664					US-PATENT-APPL-SN-306652					US-PATENT-3,846,243
		US-PATENT-3,826,964					US-PATENT-CLASS-307-230			N75-12087* #	c 25	NASA-CASE-ARC-10643-1
N74-30001* #	c 24	NASA-CASE-LAR-10416-1					US-PATENT-CLASS-330-69					US-PATENT-APPL-SN-513389
		US-PATENT-APPL-SN-251752					US-PATENT-CLASS-333-80R					US-PATENT-CLASS-117-161UA
		US-PATENT-CLASS-156-94					US-PATENT-3,831,117					US-PATENT-CLASS-117-161UN
		US-PATENT-3,814,645			N74-32877* #	c 35	NASA-CASE-LAR-10806-1					US-PATENT-CLASS-117-161UZ
N74-30156* #	c 75	NASA-CASE-ARC-10598-1					US-PATENT-APPL-SN-322998					US-PATENT-CLASS-117-93.1GD
		US-PATENT-APPL-SN-318151					US-PATENT-CLASS-33-1M					US-PATENT-CLASS-204-177
		US-PATENT-CLASS-356-201					US-PATENT-CLASS-33-23R					US-PATENT-CLASS-210-500
		US-PATENT-CLASS-356-43					US-PATENT-CLASS-338-89					US-PATENT-CLASS-264-217
		US-PATENT-CLASS-356-73					US-PATENT-CLASS-340-347AD					US-PATENT-CLASS-264-22
		US-PATENT-CLASS-356-85					US-PATENT-CLASS-346-33R					US-PATENT-3,847,652
		US-PATENT-CLASS-356-87					US-PATENT-3,832,781			N75-12161* #	c 31	NASA-CASE-MFS-20775-1
		US-PATENT-3,817,622					NASA-CASE-LAR-11139-1					US-PATENT-APPL-SN-356664
N74-30421* #	c 08	NASA-CASE-LAR-10753-1					US-PATENT-APPL-SN-287149					US-PATENT-CLASS-118-49.1
		US-PATENT-APPL-SN-289018					US-PATENT-CLASS-73-182					US-PATENT-3,847,115
		US-PATENT-CLASS-244-327					US-PATENT-CLASS-73-388					NASA-CASE-GSC-11619-1
		US-PATENT-CLASS-244-90R					US-PATENT-3,832,903			N75-12222* #	c 34	US-PATENT-APPL-SN-397476
		US-PATENT-CLASS-244-91					NASA-CASE-MSC-14187-1					US-PATENT-CLASS-138-113
		US-PATENT-3,826,448					US-PATENT-APPL-SN-326326					US-PATENT-CLASS-138-114
N74-30502* #	c 25	NASA-CASE-LEW-10906-1					US-PATENT-CLASS-23-230L					US-PATENT-CLASS-138-148
		US-PATENT-APPL-SN-245279					US-PATENT-CLASS-73-104					US-PATENT-CLASS-165-1
		US-PATENT-APPL-SN-876588					US-PATENT-CLASS-73-15.4					US-PATENT-CLASS-165-47
		US-PATENT-CLASS-204-157.1H					US-PATENT-CLASS-73-40.7					US-PATENT-CLASS-220-15
		US-PATENT-3,826,726					US-PATENT-3,830,094					US-PATENT CLASS 244 1SC
N74-30523* #	c 32	NASA-CASE-NPO-11921-1			N74-32917* #	c 31	NASA-CASE-NPO-13205-1					US-PATENT-3,847,208
		US-PATENT-APPL-SN-359039					US-PATENT-APPL-SN-393525					NASA-CASE-KSC-10750-1
		US-PATENT-CLASS-179-15BC					US-PATENT-CLASS-425-28B			N75-12270* #	c 35	US-PATENT-APPL-SN-346372
		US-PATENT-CLASS-325-346					US-PATENT-CLASS-425-35					US-PATENT-CLASS-324-158T
		US-PATENT-3,828,138					US-PATENT-3,833,322					US-PATENT-CLASS-324-60C
N74-30524* #	c 32	NASA-CASE-MSC-13912-1					NASA-CASE-NPO-13157-1					US-PATENT-3,848,190
		US-PATENT-APPL-SN-310034			N74-32918* #	c 37	US-PATENT-APPL-SN-370872					NASA-CASE-MFS-20994-1
		US-PATENT-CLASS-179-15AT					US-PATENT-CLASS-29-203H					US-PATENT-APPL-SN-386789
		US-PATENT-CLASS-179-15BY					US-PATENT-CLASS-29-268			N75-12271* #	c 35	US-PATENT-CLASS-128-2V
		US-PATENT-3,828,137					US-PATENT-3,832,764					US-PATENT-CLASS-73-67.1
N74-30597* #	c 09	NASA-CASE-LAR-10550-1			N74-32919* #	c 20	NASA-CASE-LEW-11118-1					US-PATENT-3,847,141
		US-PATENT-APPL-SN-261183					US-PATENT-APPL-SN-289050					NASA-CASE-LAR-11069-1
		US-PATENT-CLASS-35-12E					US-PATENT-CLASS-204-9			N75-12272* #	c 35	US-PATENT-APPL-SN-326198
		US-PATENT-3,824,707					US-PATENT-3,832,290					US-PATENT-CLASS-195-127
N74-30608* #	c 34	NASA-CASE-LAR-10194-1			N74-32920* #	c 31	NASA-CASE-LAR-10489-2					US-PATENT-3,841,973
		US-PATENT-APPL-SN-169962					US-PATENT-APPL-SN-198763					NASA-CASE-MFS-20506-1
		US-PATENT-CLASS-55-159					US-PATENT-APPL-SN-350300					US-PATENT-APPL-SN-328792
		US-PATENT-CLASS-55-199					US-PATENT-CLASS-249-145			N75-12273* #	c 35	US-PATENT-CLASS-33-DIG.13
		US-PATENT-CLASS-55-43					US-PATENT-CLASS-249-184					US-PATENT-CLASS-33-180R
		US-PATENT-3,828,524					US-PATENT-CLASS-249-95					US-PATENT-CLASS-350-292
N74-30886* #	c 89	NASA-CASE-GSC-11569-1					US-PATENT-CLASS-425-128					US-PATENT-3,842,509
		US-PATENT-APPL-SN-293725					US-PATENT-CLASS-425-415					NASA-CASE-LAR-11211-1
		US-PATENT-CLASS-250-203R					US-PATENT-3,830,609			N75-12326* #	c 37	US-PATENT-APPL-SN-302681
		US-PATENT-CLASS-33-268					NASA-CASE-LEW-11076-2					US-PATENT-CLASS-29-470.1
		US-PATENT-CLASS-356-141			N74-32921* #	c 37	US-PATENT-APPL-SN-238264					US-PATENT-CLASS-29-475
		US-PATENT-CLASS-356-147					US-PATENT-APPL-SN-346483					US-PATENT-3,842,485
		US-PATENT-3,827,807					US-PATENT-CLASS-308-121			N75-12616* #	c 54	NASA-CASE-MFS-21611-1
N74-31148* #	c 71	NASA-CASE-NPO-11623-1										

				US-PATENT-APPL-SN-403694	N75-13531* #	c 54	NASA-CASE-LEW-11581-1			US-PATENT-3,859,840
				US-PATENT-CLASS-214-1CM			US-PATENT-APPL-SN-327921	N75-15992* #	c 37	NASA-CASE-GSC-11577-1
				US-PATENT-CLASS-307-149			US-PATENT-CLASS-128-2.05A			US-PATENT-APPL-SN-322997
				US-PATENT-CLASS-308-174			US-PATENT-CLASS-128-2.05P			US-PATENT-CLASS-117-106A
				US-PATENT-3,849,668			US-PATENT-3,850,169			US-PATENT-CLASS-117-93.3
N75-12732* #	c 74			NASA-CASE-ARC-10448-2	N75-13539* #	c 60	NASA-CASE-ARC-10466-1			US-PATENT-CLASS-156-89
				US-PATENT-APPL-SN-374424			US-PATENT-APPL-SN-352382			US-PATENT-CLASS-156-99
				US-PATENT-CLASS-156-16			US-PATENT-CLASS-235-156			US-PATENT-CLASS-29-472.7
				US-PATENT-CLASS-156-18			US-PATENT-CLASS-235-197			US-PATENT-CLASS-29-473.1
				US-PATENT-CLASS-156-7			US-PATENT-CLASS-324-77B			US-PATENT-CLASS-65-43
				US-PATENT-CLASS-250-495			US-PATENT-3,851,162			US-PATENT-3,859,714
				US-PATENT-3,847,689	N75-13625* #	c 75	NASA-CASE-MFS-22145-1	N75-16783* #	c 35	NASA-CASE-ARC-10637-1
N75-12810* #	c 76			NASA-CASE-LAR-11059-1			US-PATENT-APPL-SN-367606			US-PATENT-APPL-SN-352383
				US-PATENT-APPL-SN-367294			US-PATENT-CLASS-176-3			US-PATENT-CLASS-356-28
				US-PATENT-CLASS-73-32R			US-PATENT-CLASS-313-63			US-PATENT-3,860,342
				US-PATENT-CLASS-73-432PS			US-PATENT-CLASS-315-111	N75-18310* #	c 20	NASA-CASE-LEW-11694-1
				US-PATENT-3,842,656			US-PATENT-CLASS-328-233			US-PATENT-APPL-SN-352381
N75-12930* #	c 05			NASA-CASE-ARC-10456-1			US-PATENT-3,854,097			US-PATENT-CLASS-29-25.18
				US-PATENT-APPL-SN-237491	N75-14834* #	c 23	NASA-CASE-MSC-13530-2			US-PATENT-CLASS-72-63
				US-PATENT-CLASS-244-75R			US-PATENT-APPL-SN-178771			US-PATENT-3,864,797
				US-PATENT-CLASS-244-83R			US-PATENT-APPL-SN-69488	N75-18477* #	c 33	NASA-CASE-MFS-22129-1
				US-PATENT-CLASS-416-25			US-PATENT-CLASS-106-13			US-PATENT-APPL-SN-370255
				US-PATENT-CLASS-74-480R			US-PATENT-CLASS-106-15R			US-PATENT-CLASS-324-32
				US-PATENT-3,850,388			US-PATENT-CLASS-106-287SB			US-PATENT-CLASS-324-54
N75-12968* #	c 09			NASA-CASE-MFS-22039-1			US-PATENT-CLASS-117-124F			US-PATENT-3,866,114
				US-PATENT-APPL-SN-386790			US-PATENT-CLASS-117-135.5	N75-18479* #	c 33	NASA-CASE-MSC-14129-1
				US-PATENT-CLASS-108-136			US-PATENT-CLASS-252-549			US-PATENT-APPL-SN-362146
				US-PATENT-3,853,075			US-PATENT-CLASS-252-70			US-PATENT-CLASS-307-229
N75-12969* #	c 09			NASA-CASE-ARC-10710-1			US-PATENT-3,856,534			US-PATENT-CLASS-307-235R
				US-PATENT-APPL-SN-379019	N75-14844* #	c 25	NASA-CASE-NPO-12130-1			US-PATENT-CLASS-307-267
				US-PATENT-CLASS-73-147			US-PATENT-APPL-SN-750235			US-PATENT-CLASS-328-115
				US-PATENT-3,853,003			US-PATENT-CLASS-23-230B			US-PATENT-CLASS-328-151
N75-13007* #	c 15			NASA-CASE-GSC-11182-1			US-PATENT-CLASS-23-253R			US-PATENT-CLASS-328-58
				US-PATENT-APPL-SN-393527			US-PATENT-3,856,471	N75-14957* #	c 33	US-PATENT-3,869,624
				US-PATENT-CLASS-325-4			NASA-CASE-MSC-14240-1			NASA-CASE-NPO-13253-1
				US-PATENT-3,851,250			US-PATENT-APPL-SN-351929			US-PATENT-APPL-SN-395687
N75-13032* #	c 24			NASA-CASE-LAR-10994-1			US-PATENT-CLASS-307-205			US-PATENT-CLASS-248-358R
				US-PATENT-APPL-SN-390466			US-PATENT-CLASS-307-208			US-PATENT-3,863,881
				US-PATENT-CLASS-29-420			US-PATENT-3,857,045	N75-18574* #	c 37	NASA-CASE-GSC-11079-1
				US-PATENT-CLASS-29-604	N75-15014* #	c 35	NASA-CASE-LAR-11213-1			US-PATENT-APPL-SN-100673
				US-PATENT-CLASS-340-174MA			US-PATENT-APPL-SN-406715			US-PATENT-CLASS-308-10
				US-PATENT-CLASS-75-200			US-PATENT-CLASS-250-201			US-PATENT-3,865,442
				US-PATENT-3,849,877			US-PATENT-CLASS-356-4	N75-19329* #	c 18	NASA-CASE-MFS-22734-1
N75-13111* #	c 31			NASA-CASE-LAR-10782-2			US-PATENT-3,857,031			US-PATENT-APPL-SN-453232
				US-PATENT-APPL-SN-197689	N75-15028* #	c 36	NASA-CASE-MFS-21244-1			US-PATENT-CLASS-244-162
				US-PATENT-APPL-SN-379049			US-PATENT-APPL-SN-350249			US-PATENT-3,866,863
				US-PATENT-CLASS-249-144			US-PATENT-CLASS-356-103	N75-19408* #	c 26	NASA-CASE-LEW-11696-2
				US-PATENT-CLASS-249-145			US-PATENT-CLASS-356-28			US-PATENT-APPL-SN-298156
				US-PATENT-CLASS-249-59			US-PATENT-CLASS-356-5			US-PATENT-APPL-SN-436315
				US-PATENT-CLASS-425-DIG.43			US-PATENT-3,856,402			US-PATENT-CLASS-29-194
				US-PATENT-CLASS-425-405R	N75-15029* #	c 36	NASA-CASE-NPO-13050-1			US-PATENT-CLASS-29-196.2
				US-PATENT-CLASS-425-438			US-PATENT-APPL-SN-317567			US-PATENT-CLASS-29-196.6
				US-PATENT-CLASS-425-468			US-PATENT-CLASS-117-95			US-PATENT-CLASS-29-197
				US-PATENT-3,850,567			US-PATENT-CLASS-117-97			US-PATENT-3,869,779
N75-13139* #	c 33			NASA-CASE-MFS-22073-1			US-PATENT-CLASS-330-4	N75-19515* #	c 33	NASA-CASE-MSC-14131-1
				US-PATENT-APPL-SN-409991			US-PATENT-CLASS-332-7.5			US-PATENT-APPL-SN-373588
				US-PATENT-CLASS-318-608			US-PATENT-3,859,119			US-PATENT-CLASS-307-260
				US-PATENT-CLASS-318-640	N75-15050* #	c 37	NASA-CASE-NPO-13201-1			US-PATENT-CLASS-324-78J
				US-PATENT-CLASS-318-649			US-PATENT-APPL-SN-372149			US-PATENT-CLASS-328-59
				US-PATENT-CLASS-318-675			US-PATENT-CLASS-137-505.38			US-PATENT-CLASS-331-78
				US-PATENT-3,851,238			US-PATENT-CLASS-137-505.42			US-PATENT-3,866,128
N75-13213* #	c 35			NASA-CASE-LEW-11632-2			US-PATENT-CLASS-74-424.8VA	N75-19516* #	c 33	NASA-CASE-GSC-11760-1
				US-PATENT-APPL-SN-254173			US-PATENT-3,856,042			NASA-CASE-GSC-11783-1
				US-PATENT-APPL-SN-327969	N75-15270* #	c 52	NASA-CASE-NPO-12119-1			US-PATENT-APPL-SN-395868
				US-PATENT-CLASS-29-571			US-PATENT-APPL-SN-847815			US-PATENT-CLASS-343-761
				US-PATENT-CLASS-29-592			US-PATENT-CLASS-424-180			US-PATENT-CLASS-343-781
				US-PATENT-CLASS-307-309			US-PATENT-3,849,554			US-PATENT-CLASS-343-837
				US-PATENT-CLASS-317-235H			NASA-CASE-LAR-10276-1			US-PATENT-3,866,233
				US-PATENT-CLASS-330-6	N75-15662* #	c 09	US-PATENT-APPL-SN-29979	N75-19517* #	c 33	NASA-CASE-GSC-11582-1
				US-PATENT-3,849,875			US-PATENT-CLASS-272-1R			US-PATENT-APPL-SN-397477
N75-13261* #	c 37			NASA-CASE-LEW-11696-1			US-PATENT-CLASS-272-57A			US-PATENT-CLASS-178-15
				US-PATENT-APPL-SN-298156			US-PATENT-CLASS-35-12C			US-PATENT-CLASS-315-18
				US-PATENT-CLASS-29-196.6			US-PATENT-3,859,736			US-PATENT-CLASS-340-324AD
				US-PATENT-CLASS-29-197	N75-15854* #	c 32	NASA-CASE-NPO-13292-1			US-PATENT-3,866,210
				US-PATENT-CLASS-29-460			US-PATENT-APPL-SN-416135	N75-19518* #	c 33	NASA-CASE-ARC-10348-1
				US-PATENT-CLASS-29-494			US-PATENT-CLASS-343-100ST			US-PATENT-APPL-SN-140439
				US-PATENT-CLASS-29-497.5			US-PATENT-CLASS-343-17.5			US-PATENT-CLASS-330-69
				US-PATENT-CLASS-29-504			US-PATENT-CLASS-343-6.5R			US-PATENT-CLASS-330-86
				US-PATENT-3,849,865			US-PATENT-CLASS-343-9			US-PATENT-3,872,395
N75-13265* #	c 37			NASA-CASE-KSC-10723-1			US-PATENT-3,860,921	N75-19519* #	c 33	NASA-CASE-NPO-13125-1
				US-PATENT-APPL-SN-347952			NASA-CASE-MFS-22088-1			US-PATENT-APPL-SN-319150
				US-PATENT-CLASS-338-162	N75-15874* #	c 33	US-PATENT-APPL-SN-426155			US-PATENT-CLASS-235-92DM
				US-PATENT-CLASS-338-75			US-PATENT-CLASS-318-227			US-PATENT-CLASS-235-92LG
				US-PATENT-CLASS-338-97			US-PATENT-CLASS-318-230			US-PATENT-CLASS-235-92R
				US-PATENT-3,854,113			US-PATENT-CLASS-318-231			US-PATENT-CLASS-235-92T
N75-13266* #	c 37			NASA-CASE-NPO-13281-1			US-PATENT-3,860,858			US-PATENT-CLASS-235-92VA
				US-PATENT-APPL-SN-412079	N75-15931* #	c 35	NASA-CASE-MFS-21761-1			US-PATENT-3,866,022
				US-PATENT-CLASS-74-436			US-PATENT-APPL-SN-337816	N75-19520* #	c 33	NASA-CASE-ARC-10364-3
				US-PATENT-CLASS-74-820			US-PATENT-CLASS-200-83N			US-PATENT-APPL-SN-209618
				US-PATENT-3,855,873			US-PATENT-CLASS-73-40			US-PATENT-APPL-SN-462844
N75-13502* #	c 51			NASA-CASE-LAR-11074-1			US-PATENT-CLASS-73-49.2			US-PATENT-CLASS-307-321
				US-PATENT-APPL-SN-326364			US-PATENT-3,859,845			US-PATENT-CLASS-324-DIG.1
				US-PATENT-CLASS-115-103.5	N75-15932* #	c 35	NASA-CASE-MFS-21045-1			US-PATENT-CLASS-329-166
				US-PATENT-CLASS-195-120			US-PATENT-APPL-SN-411572			US-PATENT-CLASS-329-204
				US-PATENT-CLASS-195-127			US-PATENT-CLASS-73-1R			US-PATENT-CLASS-332-47
				US-PATENT-3,850,754			US-PATENT-CLASS-73-379			US-PATENT-3,869,676

N75-19521* #	c 33	NASA-CASE-KSC-10736-1 US-PATENT-APPL-SN-348787 US-PATENT-CLASS-324-102 US-PATENT-CLASS-324-113 US-PATENT-3,869,667	N75-20139* #	c 77	US-PATENT-3,869,151 NASA-CASE-MS-C-14143-1 US-PATENT-APPL-SN-393526 US-PATENT-CLASS-165-110 US-PATENT-CLASS-165-111 US-PATENT-CLASS-62-285 US-PATENT-CLASS-62-288 US-PATENT-CLASS-62-289 US-PATENT-CLASS-62-290 US-PATENT-CLASS-62-317 US-PATENT-CLASS-62-93 US-PATENT-3,868,830	N75-25040* #	c 33	NASA-CASE-GSC-11623-1 US-PATENT-APPL-SN-389929 US-PATENT-CLASS-331-1A US-PATENT-CLASS-331-18 US-PATENT-CLASS-331-25 US-PATENT-3,883,817
N75-19522* #	c 33	NASA-CASE-GSC-11844-1 US-PATENT-APPL-SN-452761 US-PATENT-CLASS-307-227 US-PATENT-CLASS-321-15 US-PATENT-CLASS-324-32 US-PATENT-3,869,659	N75-20140* #	c 77	NASA-CASE-GSC-11752-1 US-PATENT-APPL-SN-446569 US-PATENT-CLASS-219-497 US-PATENT-CLASS-219-501 US-PATENT-CLASS-219-505 US-PATENT-3,869,597	N75-25041* #	c 33	NASA-CASE-ARC-10364-2 US-PATENT-APPL-SN-209618 US-PATENT-APPL-SN-433968 US-PATENT-CLASS-307-321 US-PATENT-CLASS-324-DIG.1 US-PATENT-CLASS-329-166 US-PATENT-CLASS-329-204 US-PATENT-3,883,812
N75-19524* #	c 33	NASA-CASE-NPO-13374-1 US-PATENT-APPL-SN-449118 US-PATENT-CLASS-318-137 US-PATENT-CLASS-318-167 US-PATENT-CLASS-318-176 US-PATENT-CLASS-318-183 US-PATENT-3,867,677	N75-21485* #	c 32	NASA-CASE-MS-C-12607-1 US-PATENT-APPL-SN-407323 US-PATENT-CLASS-178-DIG.12 US-PATENT-CLASS-358-36 US-PATENT-3,875,584	N75-25122* #	c 35	NASA-CASE-NPO-10764-2 US-PATENT-APPL-SN-273519 US-PATENT-APPL-SN-836280 US-PATENT-CLASS-116-114.5 US-PATENT-CLASS-117-72 US-PATENT-CLASS-73-356 US-PATENT-3,874,240
N75-19611* #	c 35	NASA-CASE-LAR-11071-1 US-PATENT-APPL-SN-334349 US-PATENT-CLASS-417-138 US-PATENT-CLASS-417-36 US-PATENT-CLASS-417-395 US-PATENT-CLASS-73-221 US-PATENT-3,864,060	N75-21486* #	c 32	NASA-CASE-MS-C-14558-1 US-PATENT-APPL-SN-428994 US-PATENT-CLASS-178-58A US-PATENT-CLASS-178-79 US-PATENT-3,875,332	N75-25123* #	c 35	NASA-CASE-NPO-13214-1 NASA-CASE-NPO-13215-1 US-PATENT-APPL-SN-394149 US-PATENT-CLASS-178-DIG.29 US-PATENT-CLASS-178-7.2 US-PATENT-3,883,689
N75-19612* #	c 35	NASA-CASE-LAR-11237-1 US-PATENT-APPL-SN-402868 US-PATENT-CLASS-340-242 US-PATENT-CLASS-73-46 US-PATENT-CLASS-73-49.2 US-PATENT-3,864,960	N75-21582* #	c 35	NASA-CASE-MFS-22671-1 US-PATENT-APPL-SN-419831 US-PATENT-CLASS-178-69A US-PATENT-CLASS-235-181 US-PATENT-CLASS-324-57PS US-PATENT-CLASS-324-77H US-PATENT-CLASS-325-67 US-PATENT-3,875,500	N75-25124* #	c 35	NASA-CASE-MFS-21704-1 US-PATENT-APPL-SN-386793 US-PATENT-CLASS-350-3.5 US-PATENT-3,883,215
N75-19613* #	c 35	NASA-CASE-LAR-11207-1 US-PATENT-APPL-SN-385013 US-PATENT-CLASS-178-DIG.20 US-PATENT-CLASS-250-332 US-PATENT-CLASS-356-186 US-PATENT-CLASS-356-189 US-PATENT-CLASS-356-83 US-PATENT-CLASS-356-96 US-PATENT-3,869,212	N75-21631* #	c 37	NASA-CASE-LEW-11274-1 US-PATENT-APPL-SN-380630 US-PATENT-CLASS-277-134 US-PATENT-CLASS-277-27 US-PATENT-CLASS-277-40 US-PATENT-3,874,677	N75-25185* #	c 37	NASA-CASE-NPO-13360-1 US-PATENT-APPL-SN-401920 US-PATENT-CLASS-228-1 US-PATENT-CLASS-251-333 US-PATENT-3,874,635
N75-19614* #	c 35	NASA-CASE-LAR-11173-1 US-PATENT-APPL-SN-354408 US-PATENT-CLASS-332-2 US-PATENT-CLASS-73-557 US-PATENT-3,868,856	N75-23910* #	c 35	NASA-CASE-NPO-13327-1 US-PATENT-APPL-SN-429437 US-PATENT-CLASS-247-171 US-PATENT-CLASS-250-203 US-PATENT-CLASS-250-211R US-PATENT-3,875,404	N75-25186* #	c 37	NASA-CASE-MFS-22649-1 US-PATENT-APPL-SN-398901 US-PATENT-CLASS-408-112 US-PATENT-CLASS-408-186 US-PATENT-CLASS-408-193 US-PATENT-CLASS-408-195 US-PATENT-3,877,833
N75-19615* #	c 35	NASA-CASE-MFS-22189-1 US-PATENT-APPL-SN-405342 US-PATENT-CLASS-33-148D US-PATENT-CLASS-73-143 US-PATENT-3,864,953	N75-24716* #	c 05	NASA-CASE-MS-C-14339-1 US-PATENT-APPL-SN-347953 US-PATENT-CLASS-128-2.06E US-PATENT-CLASS-128-DIG.4 US-PATENT-CLASS-128-2.06B US-PATENT-3,882,846	N75-25503* #	c 51	NASA-CASE-ARC-10722-1 US-PATENT-APPL-SN-428995 US-PATENT-CLASS-47-1.2 US-PATENT-CLASS-47-39 US-PATENT-CLASS-47-58 US-PATENT-3,882,634
N75-19616* #	c 35	NASA-CASE-MFS-20932-1 US-PATENT-APPL-SN-374441 US-PATENT-CLASS-250-505 US-PATENT-CLASS-250-508 US-PATENT-CLASS-250-510 US-PATENT-3,869,615	N75-24736* #	c 07	NASA-CASE-ARC-10754-1 US-PATENT-APPL-SN-398886 US-PATENT-CLASS-137-15.1 US-PATENT-CLASS-244-53B US-PATENT-3,883,095	N75-25706* #	c 74	NASA-CASE-HQN-10542-1 US-PATENT-APPL-SN-163151 US-PATENT-CLASS-178-DIG.25 US-PATENT-CLASS-250-566 US-PATENT-CLASS-350-311 US-PATENT-3,883,436
N75-19652* #	c 36	NASA-CASE-NPO-13131-1 US-PATENT-APPL-SN-390468 US-PATENT-CLASS-178-7.1 US-PATENT-CLASS-250-211R US-PATENT-CLASS-250-578 US-PATENT-CLASS-315-169R US-PATENT-CLASS-340-173LS US-PATENT-3,865,975	N75-24758* #	c 09	NASA-CASE-GSC-11127-1 US-PATENT-APPL-SN-401466 US-PATENT-CLASS-318-314 US-PATENT-CLASS-318-318 US-PATENT-CLASS-318-341 US-PATENT-3,883,785	N75-25730* #	c 76	NASA-CASE-GSC-11425-2 US-PATENT-APPL-SN-206266 US-PATENT-APPL-SN-394206 US-PATENT-CLASS-357-23 US-PATENT-CLASS-357-29 US-PATENT-CLASS-357-42 US-PATENT-CLASS-357-52 US-PATENT-CLASS-357-91 US-PATENT-3,882,530
N75-19653* #	c 36	NASA-CASE-HQN-10844-1 US-PATENT-APPL-SN-412080 US-PATENT-CLASS-356-106LR US-PATENT-3,869,210	N75-24774* #	c 12	NASA-CASE-NPO-13263-1 US-PATENT-APPL-SN-393523 US-PATENT-CLASS-73-505 US-PATENT-3,882,732	N75-25914* #	c 05	NASA-CASE-LAR-11252-1 US-PATENT-APPL-SN-367268 US-PATENT-CLASS-D12-76 US-PATENT-CLASS-244-13 US-PATENT-CLASS-244-15 US-PATENT-CLASS-244-42DA US-PATENT-CLASS-244-55 US-PATENT-3,884,432
N75-19654* #	c 36	NASA-CASE-GSC-11746-1 US-PATENT-APPL-SN-393528 US-PATENT-CLASS-331-94.5M US-PATENT-3,869,680	N75-24794* #	c 14	NASA-CASE-MFS-21488-1 US-PATENT-APPL-SN-359156 US-PATENT-CLASS-73-143 US-PATENT-3,882,719	N75-25915* #	c 05	NASA-CASE-ARC-10519-2 US-PATENT-APPL-SN-452767 US-PATENT-CLASS-280-150SB US-PATENT-CLASS-297-385 US-PATENT-CLASS-297-388 US-PATENT-CLASS-297-389 US-PATENT-3,887,233
N75-19655* #	c 36	NASA-CASE-LAR-11341-1 US-PATENT-APPL-SN-367293 US-PATENT-CLASS-330-4.3 US-PATENT-CLASS-331-94.5P US-PATENT-3,868,591	N75-24837* #	c 20	NASA-CASE-NPO-13303-1 US-PATENT-APPL-SN-457295 US-PATENT-CLASS-310-10 US-PATENT-CLASS-310-4 US-PATENT-CLASS-310-40 US-PATENT-CLASS-310-52 US-PATENT-CLASS-335-216 US-PATENT-CLASS-60-516 US-PATENT-CLASS-60-530 US-PATENT-CLASS-62-3 US-PATENT-CLASS-62-467 US-PATENT-3,875,435	N75-26043* #	c 25	NASA-CASE-LAR-11144-1 US-PATENT-APPL-SN-426405 US-PATENT-CLASS-117-106A US-PATENT-CLASS-117-107.2 US-PATENT-CLASS-117-201 US-PATENT-CLASS-118-48 US-PATENT-CLASS-118-49.1 US-PATENT-CLASS-148-175 US-PATENT-CLASS-252-62.3GA US-PATENT-3,888,705
N75-19683* #	c 37	NASA-CASE-MS-C-19095-1 US-PATENT-APPL-SN-415486 US-PATENT-CLASS-219-137 US-PATENT-3,864,542	N75-24981* #	c 32	NASA-CASE-GSC-11743-1 US-PATENT-APPL-SN-370271 US-PATENT-CLASS-178-66R US-PATENT-CLASS-325-30 US-PATENT-CLASS-325-60 US-PATENT-3,878,464	N75-26194* #	c 32	NASA-CASE-NPO-13217-1 US-PATENT-APPL-SN-362145 US-PATENT-CLASS-343-105R US-PATENT-CLASS-343-112D US-PATENT-3,889,264
N75-19684* #	c 37	NASA-CASE-NPO-13345-1 US-PATENT-APPL-SN-462705 US-PATENT-CLASS-204-192 US-PATENT-CLASS-204-298 US-PATENT-3,864,239	N75-24982* #	c 32	NASA-CASE-NPO-13140-1 US-PATENT-APPL-SN-374422 US-PATENT-CLASS-343-100PE US-PATENT-CLASS-343-5GC US-PATENT-3,883,872	N75-26195* #	c 32	NASA-CASE-NPO-13321-1
N75-19685* #	c 37	NASA-CASE-MFS-21606-1 US-PATENT-APPL-SN-356555 US-PATENT-CLASS-292-DIG.14 US-PATENT-CLASS-292-108 US-PATENT-CLASS-292-122 US-PATENT-3,869,160						
N75-19686* #	c 37	NASA-CASE-MFS-19193-1 US-PATENT-APPL-SN-461477 US-PATENT-CLASS-285-114 US-PATENT-CLASS-285-226						

ACCESSION NUMBER INDEX

N75-30876

			US-PATENT-APPL-SN-455163				US-PATENT-3,281,558	N75-29380* #	c 35	NASA-CASE-MFS-22060-1
			US-PATENT-CLASS-178-69.5R				NASA-CASE-XNP-01296			US-PATENT-APPL-SN-521603
			US-PATENT-CLASS-179-15BS				US-PATENT-APPL-SN-127984			US-PATENT-CLASS-23-254E
			US-PATENT-CLASS-325-4				US-PATENT-CLASS-315-30			US-PATENT-CLASS-23-255E
			US-PATENT-3,889,064				US-PATENT-3,189,784			US-PATENT-CLASS-311-37
N75-26243* #	c 33		NASA-CASE-GSC-11744-1				NASA-CASE-HQN-10069			US-PATENT-CLASS-331-65
			US-PATENT-APPL-SN-353162				US-PATENT-APPL-SN-739072			US-PATENT-CLASS-73-23
			US-PATENT-CLASS-179-15BC				US-PATENT-CLASS-330-5			US-PATENT-3,895,912
			US-PATENT-CLASS-235-150.53				US-PATENT-3,551,831	N75-29381* #	c 35	NASA-CASE-ARC-10806-1
			US-PATENT-CLASS-235-181				NASA-CASE-LAR-11042-1			US-PATENT-APPL-SN-478802
			US-PATENT-CLASS-324-83Q				US-PATENT-APPL-SN-440916			US-PATENT-CLASS-73-178R
			US-PATENT-CLASS-328-133				US-PATENT-CLASS-204-242			US-PATENT-3,895,521
			US-PATENT-3,875,394				US-PATENT-CLASS-204-267	N75-29382* #	c 35	NASA-CASE-XMS-05731
N75-26244* #	c 33		NASA-CASE-MFS-22208-1				US-PATENT-CLASS-204-279			US-PATENT-APPL-SN-441279
			US-PATENT-APPL-SN-448325				US-PATENT-CLASS-204-286			US-PATENT-CLASS-73-117.4
			US-PATENT-CLASS-315-10				US-PATENT-CLASS-204-290R			US-PATENT-3,375,712
			US-PATENT-CLASS-315-367				US-PATENT-3,891,533	N75-29426* #	c 37	NASA-CASE-XLE-10717
			US-PATENT-CLASS-315-369				NASA-CASE-MFS-22537-1			US-PATENT-APPL-SN-844243
			US-PATENT-CLASS-315-387				US-PATENT-APPL-SN-387266			US-PATENT-CLASS-315-111
			US-PATENT-3,889,155				US-PATENT-CLASS-350-3.5			US-PATENT-3,004,189
N75-26245* #	c 33		NASA-CASE-LAR-11352-1				US-PATENT-3,888,561	N75-30132* #	c 03	NASA-CASE-ERC-10419-1
			US-PATENT-APPL-SN-459736				NASA-CASE-XMF-05882			US-PATENT-APPL-SN-219722
			US-PATENT-CLASS-23-254E				US-PATENT-APPL-SN-533650			US-PATENT-CLASS-343-112CA
			US-PATENT-CLASS-324-58.5A				US-PATENT-CLASS-250-83.3			US-PATENT-CLASS-343-6.5R
			US-PATENT-CLASS-324-58.5C				US-PATENT-3,454,766	N75-30256* #	c 23	NASA-CASE-MFS-22356-1
			US-PATENT-3,889,182				NASA-CASE-LAR-11354-1			US-PATENT-APPL-SN-489008
N75-26246* #	c 33		NASA-CASE-KSC-10807-1				US-PATENT-APPL-SN-409990			US-PATENT-CLASS-260-346.3
			US-PATENT-APPL-SN-461073				US-PATENT-CLASS-195-103.5R			US-PATENT-CLASS-260-520
			US-PATENT-CLASS-324-72				US-PATENT-CLASS-195-120			US-PATENT-CLASS-260-78TF
			US-PATENT-3,889,185				US-PATENT-CLASS-195-127			US-PATENT-3,899,517
N75-26282* #	c 34		NASA-CASE-LAR-11110-1				US-PATENT-CLASS-195-141	N75-30260* #	c 24	NASA-CASE-LAR-10337-1
			US-PATENT-APPL-SN-420424				US-PATENT-3,884,765			US-PATENT-APPL-SN-424038
			US-PATENT-CLASS-233-DIG.1				NASA-CASE-GSC-11829-1			US-PATENT-CLASS-29-610
			US-PATENT-CLASS-233-20RP				US-PATENT-APPL-SN-502136			US-PATENT-CLASS-29-613
			US-PATENT-CLASS-233-25				US-PATENT-CLASS-250-385			US-PATENT-CLASS-338-13
			US-PATENT-CLASS-233-46				US-PATENT-3,891,851			US-PATENT-CLASS-338-283
			US-PATENT-CLASS-233-6				NASA-CASE-XLE-2529-2	N75-30428* #	c 33	NASA-CASE-MFS-22342-1
			US-PATENT-3,888,410				US-PATENT-APPL-SN-488403			US-PATENT-APPL-SN-361666
N75-26334* #	c 35		NASA-CASE-ARC-10344-2				US-PATENT-CLASS-240-41B			US-PATENT-CLASS-330-13
			US-PATENT-APPL-SN-446564				US-PATENT-CLASS-330-4.3			US-PATENT-CLASS-330-18
			US-PATENT-CLASS-55-386				US-PATENT-CLASS-331-94.5A			US-PATENT-CLASS-330-40
			US-PATENT-3,887,345				US-PATENT-3,894,289			US-PATENT-CLASS-330-63
N75-26371* #	c 37		NASA-CASE-GSC-10984-1				NASA-CASE-XMS-01330	N75-30429* #	c 33	NASA-CASE-MFS-21616-1
			US-PATENT-APPL-SN-127480				US-PATENT-APPL-SN-153624			US-PATENT-APPL-SN-464723
			US-PATENT-CLASS-117-126GM				US-PATENT-APPL-SN-322565			US-PATENT-CLASS-330-207A
			US-PATENT-CLASS-117-126R				US-PATENT-CLASS-219-125			US-PATENT-CLASS-330-24
			US-PATENT-CLASS-161-92				US-PATENT-3,275,794			US-PATENT-3,899,745
			US-PATENT-CLASS-161-93				NASA-CASE-NPO-13231-1	N75-30430* #	c 33	NASA-CASE-NPO-13504-1
			US-PATENT-CLASS-29-182.2				US-PATENT-APPL-SN-428993			US-PATENT-APPL-SN-483852
			US-PATENT-CLASS-29-182.5				US-PATENT-CLASS-250-343			US-PATENT-CLASS-33-96
			US-PATENT-CLASS-29-420.5				US-PATENT-CLASS-250-345			US-PATENT-CLASS-333-21R
			US-PATENT-CLASS-65-3				US-PATENT-CLASS-250-432			US-PATENT-CLASS-333-83BT
			US-PATENT-CLASS-75-DIG.1				US-PATENT-3,891,848			US-PATENT-CLASS-333-98R
			US-PATENT-CLASS-75-200				NASA-CASE-NPO-13386-1	N75-30431* #	c 33	NASA-CASE-KSC-10782-1
			US-PATENT-CLASS-75-208R				US-PATENT-APPL-SN-475336			US-PATENT-APPL-SN-400467
			US-PATENT-CLASS-75-212				US-PATENT-CLASS-214-1B			US-PATENT-CLASS-178-DIG.1
			US-PATENT-CLASS-75-214				US-PATENT-CLASS-214-1CM			US-PATENT-CLASS-178-6.8
			US-PATENT-CLASS-75-222				US-PATENT-CLASS-318-640			US-PATENT-3,900,705
			US-PATENT-3,887,365				US-PATENT-3,888,362	N75-30502* #	c 35	NASA-CASE-ARC-10802-1
N75-26372* #	c 37		NASA-CASE-MFS-21931-1				NASA-CASE-MSC-13601-2			US-PATENT-APPL-SN-484208
			US-PATENT-APPL-SN-464721				US-PATENT-APPL-SN-395495			US-PATENT-CLASS-205-343
			US-PATENT-CLASS-250-359				US-PATENT-CLASS-351-38			US-PATENT-CLASS-250-351
			US-PATENT-CLASS-250-460				US-PATENT-3,891,311			US-PATENT-CLASS-250-373
			US-PATENT-CLASS-250-492				NASA-CASE-ARC-10753-1			US-PATENT-CLASS-356-51
			US-PATENT-3,889,122				US-PATENT-APPL-SN-427395	N75-30503* #	c 35	NASA-CASE-LEW-12078-1
N75-26789* #	c 70		NASA-CASE-MFS-22758-1				US-PATENT-CLASS-128-2.05Z			US-PATENT-APPL-SN-447124
			US-PATENT-APPL-SN-581514				US-PATENT-CLASS-128-2V			US-PATENT-CLASS-73-194M
N75-27040* #	c 18		NASA-CASE-XHQ-02146				US-PATENT-CLASS-128-24A			US-PATENT-CLASS-73-195
			US-PATENT-APPL-SN-290043				US-PATENT-CLASS-74-471XY			US-PATENT-3,898,882
			US-PATENT-CLASS-52-71				US-PATENT-3,893,449	N75-30504* #	c 35	NASA-CASE-MSC-12531-1
			US-PATENT-3,206,897				NASA-CASE-NPO-13313-1			US-PATENT-APPL-SN-354612
N75-27041* #	c 18		NASA-CASE-MSC-12425-1				US-PATENT-APPL-SN-449153			US-PATENT-CLASS-307-204
			US-PATENT-APPL-SN-389916				US-PATENT-CLASS-128-145.8			US-PATENT-CLASS-307-211
			US-PATENT-CLASS-214-1CM				US-PATENT-CLASS-55-DIG.35			US-PATENT-CLASS-307-219
			US-PATENT-3,893,573				US-PATENT-3,893,458			US-PATENT-CLASS-328-61
N75-27125* #	c 26		NASA-CASE-XMF-05868				NASA-CASE-MFS-21077-1	N75-30505* #	c 36	NASA-CASE-NPO-13308-1
			US-PATENT-APPL-SN-512509				US-PATENT-APPL-SN-127481			US-PATENT-APPL-SN-455165
			US-PATENT-CLASS-260-29.6				US-PATENT-CLASS-228-190			US-PATENT-CLASS-310-4
			US-PATENT-3,475,442				US-PATENT-CLASS-228-193			US-PATENT-CLASS-331-DIG.1
N75-27126* #	c 26		NASA-CASE-XMF-06053				US-PATENT-CLASS-29-419			US-PATENT-3,899,696
			US-PATENT-APPL-SN-542192				US-PATENT-3,894,677	N75-30562* #	c 37	NASA-CASE-LEW-11076-3
			US-PATENT-CLASS-75-173				NASA-CASE-HQN-10462			US-PATENT-APPL-SN-405346
			US-PATENT-3,411,900				US-PATENT-APPL-SN-773530			US-PATENT-CLASS-308-121
N75-27127* #	c 26		NASA-CASE-XNP-03878				US-PATENT-CLASS-118-43			US-PATENT-CLASS-308-73
			US-PATENT-APPL-SN-488745				US-PATENT-3,603,285			US-PATENT-3,899,224
			US-PATENT-CLASS-75-173				NASA-CASE-XNP-01311	N75-30876* #	c 73	NASA-CASE-LEW-11227-1
			US-PATENT-3,373,016				US-PATENT-APPL-SN-430496			US-PATENT-APPL-SN-146939
N75-27160* #	c 27		NASA-CASE-MFS-22324-1				US-PATENT-CLASS-148-127			US-PATENT-CLASS-244-15S
			US-PATENT-APPL-SN-350250				US-PATENT-3,390,023			US-PATENT-CLASS-250-493
			US-PATENT-CLASS-106-48				NASA-CASE-LAR-11397-1			
			US-PATENT-CLASS-106-54				US-PATENT-APPL-SN-532784			
			US-PATENT-CLASS-117-129				NASA-CASE-ARC-10266-1			
			US-PATENT-3,891,452				US-PATENT-APPL-SN-453241			
N75-27249* #	c 33		NASA-CASE-XMS-02744				US-PATENT-APPL-SN-585988			
			US-PATENT-APPL-SN-351950				US-PATENT-CLASS-315-111			
			US-PATENT-CLASS-200-129				US-PATENT-3,469,143			

		US-PATENT-CLASS-250-496			US-PATENT-CLASS-73-141A			US-PATENT-CLASS-235-92SH
		US-PATENT-3,899,680			US-PATENT-3,906,788			US-PATENT-CLASS-307-221R
N75-31329* #	c 33	NASA-CASE-NPO-13423-1	N75-33395* #	c 37	NASA-CASE-MFS-22283-1			US-PATENT-CLASS-328-37
		US-PATENT-APPL-SN-470429			US-PATENT-APPL-SN-387095			US-PATENT-3,911,330
		US-PATENT-CLASS-128-2S			US-PATENT-CLASS-279-1B	N76-14429* #	c 35	NASA-CASE-LAR-11552-1
		US-PATENT-CLASS-338-2			US-PATENT-CLASS-279-107			US-PATENT-APPL-SN-518685
		US-PATENT-CLASS-73-88.5			US-PATENT-CLASS-279-89			US-PATENT-CLASS-73-182
		US-PATENT-3,905,356			US-PATENT-CLASS-29-26A			US-PATENT-CLASS-73-212
N75-31330* #	c 33	NASA-CASE-NPO-13426-1			US-PATENT-CLASS-294-116			US-PATENT-3,914,997
		US-PATENT-APPL-SN-45053			US-PATENT-CLASS-294-86.33	N76-14430* #	c 35	NASA-CASE-NPO-13170-1
		US-PATENT-CLASS-307-225R			US-PATENT-3,907,312			US-PATENT-APPL-SN-382261
		US-PATENT-CLASS-328-41	N75-33640* #	c 52	NASA-CASE-LEW-12051-1			US-PATENT-CLASS-338-6
		US-PATENT-3,906,374			US-PATENT-APPL-SN-397478			US-PATENT-CLASS-73-88.5R
N75-31331* #	c 33	NASA-CASE-NPO-11156-2			US-PATENT-CLASS-128-230			US-PATENT-3,914,991
		US-PATENT-APPL-SN-174684			US-PATENT-CLASS-128-305	N76-14431* #	c 35	NASA-CASE-LEW-11915-1
		US-PATENT-CLASS-307-238			US-PATENT-3,906,954			US-PATENT-APPL-SN-474744
		US-PATENT-CLASS-340-173CA	N76-14158* #	c 15	NASA-CASE-LAR-11051-1			US-PATENT-CLASS-137-15.2
		US-PATENT-CLASS-357-24			US-PATENT-APPL-SN-384773			US-PATENT-CLASS-235-151.34
		US-PATENT-CLASS-357-7			US-PATENT-CLASS-244-165			US-PATENT-CLASS-60-39.29
		US-PATENT-3,906,296			US-PATENT-CLASS-244-3.21			US-PATENT-3,911,260
N75-31332* #	c 33	NASA-CASE-NPO-13348-1			US-PATENT-CLASS-74-5.7	N76-14447* #	c 36	NASA-CASE-ARC-10642-1
		US-PATENT-APPL-SN-452770			US-PATENT-3,915,416			US-PATENT-APPL-SN-446562
		US-PATENT-CLASS-250-238	N76-14186* #	c 18	NASA-CASE-MS-12559-1			US-PATENT-CLASS-356-106R
		US-PATENT-CLASS-250-370			US-PATENT-APPL-SN-370582			US-PATENT-CLASS-356-28
		US-PATENT-CLASS-357-5			US-PATENT-CLASS-178-DIG.20			US-PATENT-3,915,572
		US-PATENT-3,906,231			US-PATENT-CLASS-244-161	N76-14460* #	c 37	NASA-CASE-MFS-19194-1
N75-31426* #	c 36	NASA-CASE-ARC-10370-1			US-PATENT-CLASS-33-286			US-PATENT-APPL-SN-483850
		US-PATENT-APPL-SN-137391			US-PATENT-CLASS-35-12			US-PATENT-CLASS-285-226
		US-PATENT-CLASS-331-94.5G			US-PATENT-CLASS-356-153			US-PATENT-CLASS-285-265
		US-PATENT-CLASS-331-94.5P			US-PATENT-3,910,533			US-PATENT-3,915,482
		US-PATENT-3,906,397	N76-14190* #	c 20	NASA-CASE-LEW-11593-1	N76-14461* #	c 37	NASA-CASE-LEW-11694-2
N75-31427* #	c 36	NASA-CASE-NPO-13175-1			US-PATENT-APPL-SN-363691			US-PATENT-APPL-SN-352381
		US-PATENT-APPL-SN-374423			US-PATENT-CLASS-60-39.23			US-PATENT-APPL-SN-462903
		US-PATENT-CLASS-331-94.5C			US-PATENT-CLASS-60-39.29			US-PATENT-CLASS-29-421
		US-PATENT-CLASS-350-161			US-PATENT-CLASS-60-39.74R			US-PATENT-CLASS-72-363
		US-PATENT-CLASS-350-96WG			US-PATENT-3,910,035			US-PATENT-CLASS-72-54
		US-PATENT-3,906,393	N76-14191* #	c 20	NASA-CASE-LEW-11118-2			US-PATENT-CLASS-72-63
N75-31446* #	c 37	NASA-CASE-LEW-11925-1			US-PATENT-APPL-SN-436316			US-PATENT-3,914,969
		US-PATENT-APPL-SN-450505			US-PATENT-CLASS-239-127.3	N76-14463* #	c 37	NASA-CASE-MFS-22323-1
		US-PATENT-CLASS-308-191			US-PATENT-CLASS-60-265			US-PATENT-APPL-SN-474745
		US-PATENT-CLASS-308-195			US-PATENT-CLASS-60-267			US-PATENT-CLASS-137-515.3
		US-PATENT-CLASS-308-201			US-PATENT-3,910,039			US-PATENT-CLASS-137-550
		US-PATENT-3,905,660	N76-14203* #	c 24	NASA-CASE-NPO-12122-1			US-PATENT-CLASS-210-429
N75-32441* #	c 36	NASA-CASE-NPO-13449-1			US-PATENT-APPL-SN-401921			US-PATENT-CLASS-251-149.6
		US-PATENT-APPL-SN-420813			US-PATENT-CLASS-149-36			US-PATENT-3,910,307
		US-PATENT-CLASS-310-11			US-PATENT-CLASS-423-407	N76-14595* #	c 44	NASA-CASE-MFS-22562-1
		US-PATENT-CLASS-330-4.3			US-PATENT-3,919,014			US-PATENT-APPL-SN-458484
		US-PATENT-CLASS-331-94.5PE	N76-14204* #	c 24	NASA-CASE-MS-12568-1			US-PATENT-CLASS-126-270
		US-PATENT-CLASS-331-94.5G			US-PATENT-APPL-SN-325784			US-PATENT-CLASS-136-206
		US-PATENT-3,906,398			US-PATENT-CLASS-136-146			US-PATENT-CLASS-204-32R
N75-32465* #	c 37	NASA-CASE-ARC-10907-1			US-PATENT-CLASS-136-148			US-PATENT-CLASS-204-33
		US-PATENT-APPL-SN-619986			US-PATENT-CLASS-162-102			US-PATENT-CLASS-204-38A
N75-32581* #	c 44	NASA-CASE-MFS-21628-1			US-PATENT-CLASS-162-153			US-PATENT-CLASS-204-40
		US-PATENT-APPL-SN-421702			US-PATENT-CLASS-162-222			US-PATENT-CLASS-204-42
		US-PATENT-CLASS-126-271			US-PATENT-CLASS-162-228			US-PATENT-CLASS-204-49
		US-PATENT-CLASS-165-105			US-PATENT-3,910,814			US-PATENT-CLASS-29-194
		US-PATENT-CLASS-244-173	N76-14264* #	c 27	NASA-CASE-MS-14182-1			US-PATENT-CLASS-29-195
		US-PATENT-CLASS-60-641			US-PATENT-APPL-SN-419748			US-PATENT-CLASS-29-197
		US-PATENT-CLASS-60-659			US-PATENT-CLASS-403-179			US-PATENT-CLASS-29-199
		US-PATENT-3,903,699			US-PATENT-CLASS-403-28	N76-14600* #	c 44	NASA-CASE-LEW-11065-2
N75-33181* #	c 24	NASA-CASE-LEW-11484-1			US-PATENT-CLASS-428-109			US-PATENT-APPL-SN-154930
		US-PATENT-APPL-SN-356554			US-PATENT-CLASS-428-212			US-PATENT-APPL-SN-371322
		US-PATENT-CLASS-117-105.2			US-PATENT-CLASS-428-214			US-PATENT-CLASS-136-89
		US-PATENT-CLASS-117-38			US-PATENT-CLASS-428-416			US-PATENT-CLASS-29-572
		US-PATENT-CLASS-117-46FS			US-PATENT-CLASS-428-447			US-PATENT-3,912,540
		US-PATENT-CLASS-117-8.5			US-PATENT-CLASS-428-77	N76-14601* #	c 44	NASA-CASE-MFS-22749-1
		US-PATENT-CLASS-29-DIG.24			US-PATENT-3,920,339			US-PATENT-APPL-SN-483857
		US-PATENT-CLASS-29-DIG.39	N76-14284* #	c 31	NASA-CASE-NPO-13435-1			US-PATENT-CLASS-136-114
		US-PATENT-CLASS-29-527.2			US-PATENT-APPL-SN-478803			US-PATENT-CLASS-136-162
		US-PATENT-CLASS-72-46			US-PATENT-CLASS-62-129			US-PATENT-CLASS-136-182
		US-PATENT-3,906,769			US-PATENT-CLASS-62-49			US-PATENT-CLASS-136-90
N75-33342* #	c 34	NASA-CASE-MS-14273-1			US-PATENT-CLASS-73-295			US-PATENT-3,912,541
		US-PATENT-APPL-SN-385522			US-PATENT-3,914,950	N76-14602* #	c 44	NASA-CASE-NPO-13497-1
		US-PATENT-CLASS-210-234			NASA-CASE-LAR-11021-1			US-PATENT-APPL-SN-526448
		US-PATENT-CLASS-210-259			US-PATENT-APPL-SN-453115			US-PATENT-CLASS-126-271
		US-PATENT-CLASS-210-304			US-PATENT-CLASS-325-304			US-PATENT-CLASS-237-1A
		US-PATENT-CLASS-210-333			US-PATENT-CLASS-325-306			US-PATENT-CLASS-350-211
		US-PATENT-CLASS-210-340			US-PATENT-CLASS-325-372			US-PATENT-3,915,148
		US-PATENT-CLASS-210-411			US-PATENT-CLASS-328-145	N76-14757* #	c 52	NASA-CASE-MS-14180-1
		US-PATENT-CLASS-210-425			US-PATENT-CLASS-343-176			US-PATENT-APPL-SN-354406
		US-PATENT-CLASS-210-512			US-PATENT-3,916,316			US-PATENT-CLASS-128-2.06R
		US-PATENT-CLASS-210-82	N76-14371* #	c 33	NASA-CASE-KSC-10834-1			US-PATENT-CLASS-128-2.1A
		US-PATENT-3,907,686			US-PATENT-APPL-SN-536535			US-PATENT-CLASS-128-2H
N75-33367* #	c 35	NASA-CASE-LAR-10629-1			US-PATENT-CLASS-178-69.5R			US-PATENT-3,910,257
		US-PATENT-APPL-SN-402867			US-PATENT-CLASS-178-88	N76-14804* #	c 54	NASA-CASE-MS-14640-1
		US-PATENT-CLASS-116-114AH			US-PATENT-CLASS-328-190			US-PATENT-APPL-SN-526449
		US-PATENT-CLASS-73-12			US-PATENT-CLASS-328-63			US-PATENT-CLASS-128-2F
		US-PATENT-CLASS-73-170R			US-PATENT-3,915,084			US-PATENT-CLASS-73-421R
		US-PATENT-CLASS-73-432PS	N76-14372* #	c 33	NASA-CASE-LAR-10970-1			US-PATENT-3,915,012
		US-PATENT-3,896,758			US-PATENT-APPL-SN-527790	N76-14818* #	c 60	NASA-CASE-NPO-13422-1
N75-33368* #	c 35	NASA-CASE-LAR-11326-1			US-PATENT-CLASS-343-770			US-PATENT-APPL-SN-521601
		US-PATENT-APPL-SN-491416			US-PATENT-CLASS-343-797			US-PATENT-CLASS-340-147C
		US-PATENT-CLASS-195-103.5R			US-PATENT-CLASS-343-846			US-PATENT-CLASS-340-147R
		US-PATENT-3,907,646			US-PATENT-3,919,710			US-PATENT-3,916,380
N75-33369* #	c 35	NASA-CASE-LAR-11263-1	N76-14373* #	c 33	NASA-CASE-NPO-13451-1	N76-14931* #	c 75	NASA-CASE-MFS-22287-1
		US-PATENT-APPL-SN-472775			US-PATENT-APPL-SN-501012			US-PATENT-APPL-SN-438147

		US-PATENT-CLASS-315-111.6				US-PATENT-CLASS-308-73				US-PATENT-3,931,532
		US-PATENT-CLASS-73-12				US-PATENT-CLASS-308-9	N76-17185* #	c 18		NASA-CASE-MSC-12561-1
		US-PATENT-CLASS-89-8				US-PATENT-3,926,482				US-PATENT-APPL-SN-448323
N76-15189* #	c 12	US-PATENT-3,916,761	N76-15860* #	c 72		NASA-CASE-LEW-11866-1				US-PATENT-CLASS-244-162
		NASA-CASE-MSC-12611-1				US-PATENT-APPL-SN-500980				US-PATENT-CLASS-244-172
		US-PATENT-APPL-SN-446560				US-PATENT-CLASS-250-499				US-PATENT-3,929,306
		US-PATENT-CLASS-350-288				US-PATENT-CLASS-250-500	N76-17317* #	c 34		NASA-CASE-LAR-10799-2
		US-PATENT-CLASS-350-293				US-PATENT-3,924,137				US-PATENT-APPL-SN-301419
		US-PATENT-CLASS-427-162	N76-16014* #	c 02		NASA-CASE-LAR-11575-1				US-PATENT-APPL-SN-419319
		US-PATENT-CLASS-427-250				US-PATENT-APPL-SN-527727				US-PATENT-CLASS-165-105
		US-PATENT-3,927,227				US-PATENT-CLASS-244-139				US-PATENT-CLASS-165-106
N76-15268* #	c 23	NASA-CASE-MFS-22355-1				US-PATENT-3,930,628				US-PATENT-CLASS-237-60
		US-PATENT-APPL-SN-487852	N76-16228* #	c 27		NASA-CASE-NPO-12061-1				US-PATENT-CLASS-244-117A
		US-PATENT-CLASS-260-32.6N				US-PATENT-APPL-SN-45549				US-PATENT-CLASS-244-135R
		US-PATENT-CLASS-260-32.8N				US-PATENT-CLASS-260-879				US-PATENT-CLASS-417-209
		US-PATENT-CLASS-260-346.3				US-PATENT-CLASS-260-900				US-PATENT-3,929,305
		US-PATENT-CLASS-260-47CP				US-PATENT-CLASS-260-92.1	N76-17656* #	c 45		NASA-CASE-LAR-11675-1
		US-PATENT-CLASS-260-571				US-PATENT-3,931,132				US-PATENT-APPL-SN-557448
		US-PATENT-CLASS-260-78TF	N76-16229* #	c 27		NASA-CASE-LEW-11179-1				US-PATENT-CLASS-178-DIG.1
		US-PATENT-3,925,312				US-PATENT-APPL-SN-357312				US-PATENT-CLASS-178-DIG.8
N76-15310* #	c 27	NASA-CASE-ARC-10714-1				US-PATENT-CLASS-29-195A				US-PATENT-CLASS-178-6.8
		US-PATENT-APPL-SN-398885				US-PATENT-CLASS-427-203				US-PATENT-CLASS-250-373
		US-PATENT-CLASS-260-2.5AK				US-PATENT-CLASS-427-204				US-PATENT-CLASS-340-237S
		US-PATENT-CLASS-427-196				US-PATENT-CLASS-427-205				US-PATENT-CLASS-356-207
		US-PATENT-CLASS-427-426				US-PATENT-CLASS-427-270				US-PATENT-3,931,462
		US-PATENT-CLASS-428-303				US-PATENT-CLASS-427-275	N76-17951* #	c 75		NASA-CASE-MFS-22145-2
		US-PATENT-3,916,060				US-PATENT-CLASS-427-287				US-PATENT-APPL-SN-367606
N76-15311* #	c 27	NASA-CASE-NPO-13120-1				US-PATENT-CLASS-428-450				US-PATENT-APPL-SN-500982
		US-PATENT-APPL-SN-348422				US-PATENT-CLASS-428-457				US-PATENT-CLASS-124-1
		US-PATENT-CLASS-29-182.5				US-PATENT-CLASS-428-469				US-PATENT-CLASS-124-11R
		US-PATENT-3,926,567				US-PATENT-CLASS-428-539				US-PATENT-CLASS-89-8
N76-15329* #	c 32	NASA-CASE-GSC-11968-1				US-PATENT-3,931,447				US-PATENT-3,929,119
		US-PATENT-APPL-SN-512825	N76-16230* #	c 27		NASA-CASE-ARC-10813-1	N76-18117* #	c 07		NASA-CASE-LAR-11674-1
		US-PATENT-CLASS-343-779				US-PATENT-APPL-SN-437556				US-PATENT-APPL-SN-331759
		US-PATENT-CLASS-343-837				US-PATENT-CLASS-264-331				US-PATENT-APPL-SN-488616
		US-PATENT-CLASS-343-876				US-PATENT-CLASS-428-412				US-PATENT-CLASS-181-33HC
		US-PATENT-3,927,408				US-PATENT-CLASS-428-413				US-PATENT-CLASS-239-265.11
N76-15330* #	c 32	NASA-CASE-LAR-11112-1				US-PATENT-CLASS-428-447				US-PATENT-3,938,742
		US-PATENT-APPL-SN-491419				US-PATENT-CLASS-428-911	N76-18245* #	c 25		NASA-CASE-NPO-13063-1
		US-PATENT-CLASS-343-786				US-PATENT-CLASS-428-920				US-PATENT-APPL-SN-227977
		US-PATENT-3,924,237				US-PATENT-CLASS-428-921				US-PATENT-CLASS-23-230M
N76-15373* #	c 33	NASA-CASE-LEW-11938-1				US-PATENT-3,928,708				US-PATENT-CLASS-23-230R
		US-PATENT-APPL-SN-544611	N76-16249* #	c 32		NASA-CASE-MSC-14557-1				US-PATENT-CLASS-23-232C
		US-PATENT-CLASS-317-258				US-PATENT-APPL-SN-428994				US-PATENT-CLASS-23-253R
		US-PATENT-CLASS-317-261				US-PATENT-APPL-SN-464720				US-PATENT-CLASS-23-254R
		US-PATENT-3,924,164				US-PATENT-CLASS-178-69C				US-PATENT-CLASS-23-255R
N76-15431* #	c 35	NASA-CASE-MSC-13802-2				US-PATENT-CLASS-178-88				US-PATENT-CLASS-235-151.13
		US-PATENT-APPL-SN-189438				US-PATENT-CLASS-325-321				US-PATENT-CLASS-73-23.1
		US-PATENT-APPL-SN-475338				US-PATENT-3,924,068				US-PATENT-3,860,393
		US-PATENT-CLASS-250-251	N76-16331* #	c 33		NASA-CASE-MSC-14649-1	N76-18257* #	c 26		NASA-CASE-MFS-22907-1
		US-PATENT-CLASS-250-287				US-PATENT-APPL-SN-505819				US-PATENT-APPL-SN-518546
		US-PATENT-CLASS-250-423				US-PATENT-CLASS-324-79D				US-PATENT-CLASS-324-34R
		US-PATENT-3,916,187				US-PATENT-CLASS-328-134				US-PATENT-3,938,037
N76-15432* #	c 35	NASA-CASE-LAR-11435-1				US-PATENT-3,924,183	N76-18295* #	c 32		NASA-CASE-GSC-11862-1
		US-PATENT-APPL-SN-522556	N76-16332* #	c 33		NASA-CASE-GSC-11849-1				US-PATENT-APPL-SN-500979
		US-PATENT-CLASS-310-8.2				US-PATENT-APPL-SN-470428				US-PATENT-CLASS-343-837
		US-PATENT-CLASS-73-1R				US-PATENT-CLASS-174-145				US-PATENT-CLASS-343-840
		US-PATENT-3,924,444				US-PATENT-CLASS-174-148				US-PATENT-CLASS-343-912
N76-15433* #	c 35	NASA-CASE-GSC-11892-1				US-PATENT-CLASS-339-143C				US-PATENT-CLASS-343-915
		US-PATENT-APPL-SN-502135				US-PATENT-CLASS-339-198R				US-PATENT-3,938,162
		US-PATENT-CLASS-250-336				US-PATENT-CLASS-339-242	N76-18345* #	c 33		NASA-CASE-NPO-13385-1
		US-PATENT-CLASS-250-385				US-PATENT-CLASS-339-275R				US-PATENT-APPL-SN-501011
		US-PATENT-CLASS-250-489				US-PATENT-3,931,456				US-PATENT-CLASS-340-347AD
		US-PATENT-3,927,324	N76-16390* #	c 35		NASA-CASE-NPO-13388-1				US-PATENT-3,938,188
N76-15434* #	c 35	NASA-CASE-LEW-11072-2				US-PATENT-APPL-SN-522552	N76-18353* #	c 33		NASA-CASE-GSC-11925-1
		US-PATENT-APPL-SN-254323				US-PATENT-CLASS-324-43R				US-PATENT-APPL-SN-538983
		US-PATENT-CLASS-136-211				US-PATENT-3,924,176				US-PATENT-CLASS-360-26
		US-PATENT-CLASS-136-212	N76-16391* #	c 35		NASA-CASE-NPO-10166-2				US-PATENT-CLASS-360-51
		US-PATENT-CLASS-136-225				US-PATENT-APPL-SN-192803				US-PATENT-3,938,182
		US-PATENT-3,925,104				US-PATENT-APPL-SN-668116	N76-18364* #	c 34		NASA-CASE-LAR-11570-1
N76-15435* #	c 35	NASA-CASE-NPO-13506-1				US-PATENT-CLASS-360-101				US-PATENT-APPL-SN-482967
		US-PATENT-APPL-SN-483851				US-PATENT-CLASS-360-101				US-PATENT-CLASS-244-23D
		US-PATENT-CLASS-343-909				US-PATENT-CLASS-360-35				US-PATENT-CLASS-60-316
		US-PATENT-3,924,239				US-PATENT-CLASS-360-9				US-PATENT-3,940,097
N76-15436* #	c 35	NASA-CASE-GSC-11895-1				US-PATENT-CLASS-360-39	N76-18374* #	c 34		NASA-CASE-MFS-22938-1
		US-PATENT-APPL-SN-511887				US-PATENT-3,924,267				US-PATENT-APPL-SN-542754
		US-PATENT-CLASS-331-3	N76-16392* #	c 35		NASA-CASE-LAR-11458-1				US-PATENT-CLASS-250-335
		US-PATENT-CLASS-331-94				US-PATENT-APPL-SN-504225				US-PATENT-3,940,621
		US-PATENT-3,924,200				US-PATENT-CLASS-294-1R	N76-18400* #	c 35		NASA-CASE-LAR-10208-1
N76-15457* #	c 37	NASA-CASE-MFS-22707-1				US-PATENT-CLASS-294-19R				US-PATENT-APPL-SN-483858
		US-PATENT-APPL-SN-535410				US-PATENT-3,929,364				US-PATENT-CLASS-73-103
		US-PATENT-CLASS-214-1R	N76-16393* #	c 35		NASA-CASE-GSC-11889-1				US-PATENT-CLASS-73-95
		US-PATENT-CLASS-74-384				US-PATENT-APPL-SN-502124				US-PATENT-3,938,373
		US-PATENT-CLASS-74-665B				US-PATENT-CLASS-250-281	N76-18401* #	c 35		NASA-CASE-NPO-13396-1
		US-PATENT-3,922,930				US-PATENT-CLASS-250-287				US-PATENT-APPL-SN-563283
N76-15460* #	c 37	NASA-CASE-MFS-22022-1				US-PATENT-CLASS-250-288				US-PATENT-CLASS-55-261
		US-PATENT-APPL-SN-405341				US-PATENT-CLASS-250-385				US-PATENT-CLASS-73-28
		US-PATENT-CLASS-214-ICM				US-PATENT-CLASS-250-423				US-PATENT-CLASS-73-421.5R
		US-PATENT-3,923,166	N76-16446* #	c 37		US-PATENT-3,931,516				US-PATENT-3,938,367
N76-15461* #	c 37	NASA-CASE-LEW-11076-4				NASA-CASE-NPO-13342-1	N76-18402* #	c 35		NASA-CASE-MFS-22517-1
		US-PATENT-APPL-SN-238264				US-PATENT-APPL-SN-390049				US-PATENT-APPL-SN-506804
		US-PATENT-APPL-SN-346483	N76-16612* #	c 44		NASA-CASE-MFS-22002-1				US-PATENT-CLASS-350-3.5
		US-PATENT-APPL-SN-445178				US-PATENT-APPL-SN-452769				US-PATENT-3,937,555
		US-PATENT-CLASS-308-122				US-PATENT-CLASS-136-202				NASA-CASE-ARC-10322-1
		US-PATENT-CLASS-308-160				US-PATENT-CLASS-136-210	N76-18403* #	c 35		US-PATENT-APPL-SN-484209
		US-PATENT-CLASS-308-72				US-PATENT-CLASS-165-105				US-PATENT-CLASS-23-254EF
						US-PATENT-CLASS-310-4				

N76-18427* #	c 36	US-PATENT-3,938,956	US-PATENT-CLASS-204-195R	US-PATENT-CLASS-156-556
		NASA-CASE-NPO-11945-1	US-PATENT-CLASS-215-247	US-PATENT-CLASS-248-362
N76-18428* #	c 36	US-PATENT-APPL-SN-269450	US-PATENT-CLASS-324-30B	US-PATENT-CLASS-248-363
		US-PATENT-CLASS-331-94.5	US-PATENT-3,938,035	US-PATENT-CLASS-269-21
N76-18454* #	c 37	US-PATENT-CLASS-332-7.51	NASA-CASE-MFS-20607-1	US-PATENT-CLASS-33-1G
		US-PATENT-CLASS-350-150	US-PATENT-APPL-SN-478800	US-PATENT-CLASS-33-174B
N76-18455* #	c 37	US-PATENT-CLASS-350-160	US-PATENT-CLASS-222-145	US-PATENT-3,945,879
		US-PATENT-CLASS-423-352	US-PATENT-CLASS-259-4AC	NASA-CASE-NPO-13474-1
N76-18456* #	c 37	US-PATENT-CLASS-423-644	US-PATENT-3,941,355	US-PATENT-APPL-SN-521817
		US-PATENT-3,806,834	NASA-CASE-MSC-12615-1	US-PATENT-CLASS-23-254E
N76-18457* #	c 37	NASA-CASE-NPO-13544-1	US-PATENT-APPL-SN-491417	US-PATENT-CLASS-250-574
		US-PATENT-APPL-SN-533555	US-PATENT-CLASS-244-117A	US-PATENT-CLASS-356-37
N76-18458* #	c 37	US-PATENT-CLASS-331-94.5C	US-PATENT-CLASS-244-163	US-PATENT-3,945,801
		US-PATENT-CLASS-350-96WG	US-PATENT-CLASS-29-432	NASA-CASE-NPO-13139-1
N76-18459* #	c 37	US-PATENT-3,939,439	US-PATENT-CLASS-29-433	US-PATENT-APPL-SN-393524
		NASA-CASE-MFS-23047-1	US-PATENT-CLASS-29-526	US-PATENT-CLASS-235-153AE
N76-18641* #	c 44	US-PATENT-APPL-SN-521602	US-PATENT-CLASS-52-705	US-PATENT-CLASS-340-172.5
		US-PATENT-CLASS-173-132	US-PATENT-CLASS-52-758F	US-PATENT-3,950,729
N76-18642* #	c 44	US-PATENT-CLASS-29-81D	US-PATENT-3,936,927	NASA-CASE-LAR-10585-1
		US-PATENT-CLASS-72-453	NASA-CASE-LAR-11667-1	US-PATENT-APPL-SN-197183
N76-18643* #	c 44	US-PATENT-CLASS-73-399	US-PATENT-APPL-SN-583487	US-PATENT-CLASS-244-35R
		US-PATENT-3,937,055	US-PATENT-CLASS-128-DIG.20	US-PATENT-CLASS-244-40R
N76-18644* #	c 44	NASA-CASE-MSC-14435-1	US-PATENT-CLASS-128-26	US-PATENT-3,952,971
		US-PATENT-APPL-SN-450500	US-PATENT-3,937,215	NASA-CASE-GSC-11868-1
N76-18645* #	c 44	US-PATENT-CLASS-228-193	NASA-CASE-MFS-22631-1	US-PATENT-APPL-SN-565290
		US-PATENT-CLASS-228-206	US-PATENT-APPL-SN-531572	US-PATENT-CLASS-178-69.5
N76-18646* #	c 44	US-PATENT-CLASS-228-214	US-PATENT-CLASS-340-38P	US-PATENT-CLASS-328-155
		US-PATENT-CLASS-228-238	US-PATENT-CLASS-356-162	US-PATENT-CLASS-340-147SY
N76-18647* #	c 44	US-PATENT-3,937,387	US-PATENT-CLASS-356-167	US-PATENT-CLASS-340-207P
		NASA-CASE-LAR-11224-1	US-PATENT-CLASS-356-71	US-PATENT-3,953,674
N76-18648* #	c 44	US-PATENT-APPL-SN-450502	US-PATENT-3,930,735	NASA-CASE-MFS-22905-1
		US-PATENT-CLASS-134-21	NASA-CASE-MFS-21672-1	US-PATENT-APPL-SN-518545
N76-18649* #	c 44	US-PATENT-CLASS-134-37	US-PATENT-APPL-SN-354060	US-PATENT-CLASS-188-1B
		US-PATENT-CLASS-19-205	US-PATENT-CLASS-356-123	US-PATENT-CLASS-248-22
N76-18650* #	c 44	US-PATENT-CLASS-209-250	US-PATENT-CLASS-356-124	US-PATENT-CLASS-248-358R
		US-PATENT-CLASS-209-300	US-PATENT-3,938,892	US-PATENT-3,952,980
N76-18651* #	c 44	US-PATENT-CLASS-209-305	NASA-CASE-LAR-11387-1	NASA-CASE-MFS-19220-1
		US-PATENT-3,937,661	US-PATENT-APPL-SN-531647	US-PATENT-APPL-SN-571821
N76-18652* #	c 44	NASA-CASE-NPO-13402-1	US-PATENT-CLASS-33-356	US-PATENT-CLASS-254-124
		US-PATENT-APPL-SN-387342	US-PATENT-CLASS-75-178R	US-PATENT-CLASS-254-93R
N76-18653* #	c 44	US-PATENT-CLASS-123-DIG.12	US-PATENT-3,943,763	US-PATENT-CLASS-89-1.801
		US-PATENT-CLASS-123-119E	NASA-CASE-NPO-13059-1	US-PATENT-3,952,998
N76-18654* #	c 44	US-PATENT-CLASS-123-120	NASA-CASE-NPO-13436-1	NASA-CASE-LEW-11930-1
		US-PATENT-CLASS-123-121	US-PATENT-APPL-SN-513690	US-PATENT-APPL-SN-513611
N76-18655* #	c 44	US-PATENT-CLASS-123-89A	US-PATENT-CLASS-81-56	US-PATENT-CLASS-252-12
		US-PATENT-3,906,913	US-PATENT-CLASS-81-57.31	US-PATENT-3,953,343
N76-18656* #	c 44	NASA-CASE-LEW-11860-1	US-PATENT-3,942,398	NASA-CASE-ARC-10760-1
		US-PATENT-APPL-SN-527728	NASA-CASE-ARC-10631-1	US-PATENT-APPL-SN-526438
N76-18657* #	c 44	US-PATENT-CLASS-204-157.1H	US-PATENT-APPL-SN-514546	US-PATENT-CLASS-250-343
		US-PATENT-CLASS-250-527	US-PATENT-CLASS-250-343	US-PATENT-CLASS-250-344
N76-18658* #	c 44	US-PATENT-3,939,048	US-PATENT-CLASS-250-573	US-PATENT-CLASS-250-432R
		NASA-CASE-GSC-11551-1	US-PATENT-3,943,368	US-PATENT-3,953,734
N76-18659* #	c 44	US-PATENT-APPL-SN-440917	NASA-CASE-NPO-13443-1	NASA-CASE-ARC-10721-1
		US-PATENT-CLASS-308-10	US-PATENT-APPL-SN-522551	US-PATENT-APPL-SN-427775
N76-18660* #	c 44	US-PATENT-3,937,533	US-PATENT-CLASS-324-158D	US-PATENT-CLASS-264-60
		NASA-CASE-NPO-13237-1	US-PATENT-CLASS-324-158R	US-PATENT-CLASS-264-66
N76-18661* #	c 44	US-PATENT-APPL-SN-378127	US-PATENT-CLASS-324-60C	US-PATENT-3,952,083
		US-PATENT-CLASS-136-83R	US-PATENT-3,943,442	NASA-CASE-MSC-14270-1
N76-18662* #	c 44	US-PATENT-CLASS-136-86S	NASA-CASE-MSC-12593-1	US-PATENT-APPL-SN-482104
		US-PATENT-3,894,887	US-PATENT-APPL-SN-419747	US-PATENT-CLASS-106-54
N76-18663* #	c 44	NASA-CASE-NPO-13464-1	US-PATENT-CLASS-325-14	US-PATENT-CLASS-427-376
		US-PATENT-APPL-SN-428444	US-PATENT-CLASS-343-100SA	US-PATENT-CLASS-427-379
N76-18664* #	c 44	US-PATENT-CLASS-123-3	US-PATENT-CLASS-343-100ST	US-PATENT-CLASS-427-380
		US-PATENT-CLASS-23-281	US-PATENT-CLASS-343-112TC	US-PATENT-CLASS-427-402
N76-18665* #	c 44	US-PATENT-CLASS-423-650	US-PATENT-3,949,400	US-PATENT-CLASS-428-332
		US-PATENT-CLASS-48-116	NASA-CASE-MFS-21311-1	US-PATENT-CLASS-428-428
N76-18666* #	c 44	US-PATENT-CLASS-48-117	US-PATENT-APPL-SN-493359	US-PATENT-CLASS-428-450
		US-PATENT-CLASS-48-83	US-PATENT-CLASS-244-3.22	US-PATENT-CLASS-428-539
N76-18667* #	c 44	US-PATENT-CLASS-46-75	US-PATENT-3,948,470	US-PATENT-CLASS-428-920
		US-PATENT-CLASS-48-95	NASA-CASE-LEW-11876-1	US-PATENT-3,953,646
N76-18668* #	c 44	US-PATENT-3,920,416	US-PATENT-APPL-SN-542157	NASA-CASE-LAR-11434-1
		NASA-CASE-NPO-11961-1	US-PATENT-CLASS-29-25.18	US-PATENT-APPL-SN-464722
N76-18669* #	c 44	US-PATENT-APPL-SN-378126	US-PATENT-CLASS-29-25.18	US-PATENT-CLASS-209-127R
		US-PATENT-CLASS-136-30	US-PATENT-3,947,933	US-PATENT-CLASS-317-246
N76-18670* #	c 44	US-PATENT-CLASS-136-6LF	NASA-CASE-NPO-13568-1	US-PATENT-CLASS-324-61R
		US-PATENT-CLASS-320-21	US-PATENT-APPL-SN-534265	US-PATENT-CLASS-324-71CP
N76-18671* #	c 44	US-PATENT-CLASS-320-22	US-PATENT-CLASS-343-761	US-PATENT-3,953,792
		US-PATENT-3,912,999	US-PATENT-CLASS-343-781	NASA-CASE-MFS-22636-1
N76-18672* #	c 44	NASA-CASE-NPO-13067-1	US-PATENT-CLASS-343-786	US-PATENT-APPL-SN-536762
		US-PATENT-APPL-SN-274348	US-PATENT-3,949,404	US-PATENT-CLASS-114-16.6
N76-18673* #	c 44	US-PATENT-CLASS-340-172.5	NASA-CASE-MFS-22729-1	US-PATENT-CLASS-244-137P
		US-PATENT-3,829,839	US-PATENT-APPL-SN-533608	US-PATENT-CLASS-244-158
N76-18674* #	c 44	NASA-CASE-GSC-11877-1	US-PATENT-CLASS-235-156	US-PATENT-CLASS-244-161
		US-PATENT-APPL-SN-482953	US-PATENT-CLASS-325-42	US-PATENT-3,952,976
N76-18675* #	c 44	US-PATENT-CLASS-235-184	US-PATENT-CLASS-333-18	NASA-CASE-LEW-11676-1
		US-PATENT-CLASS-250-199	US-PATENT-3,949,206	US-PATENT-APPL-SN-551184
N76-18676* #	c 44	US-PATENT-3,937,945	NASA-CASE-ARC-10711-2	US-PATENT-CLASS-277-4
		NASA-CASE-NPO-13519-1	US-PATENT-APPL-SN-493363	US-PATENT-CLASS-277-74
N76-18677* #	c 44	US-PATENT-APPL-SN-536761	US-PATENT-APPL-SN-596788	US-PATENT-CLASS-277-93R
		US-PATENT-CLASS-128-2S	US-PATENT-CLASS-317-246	US-PATENT-3,953,038
N76-18678* #	c 44	US-PATENT-CLASS-33-155R	US-PATENT-CLASS-73-398C	NASA-CASE-MFS-22743-1
		US-PATENT-CLASS-33-174D	US-PATENT-3,948,102	US-PATENT-APPL-SN-518684
N76-18679* #	c 44	US-PATENT-CLASS-73-88.5SD	NASA-CASE-LAR-11465-1	US-PATENT-CLASS-126-271
		US-PATENT-3,937,212	US-PATENT-APPL-SN-502137	US-PATENT-3,951,129
N76-18680* #	c 44	NASA-CASE-ARC-10810-1	US-PATENT-CLASS-156-286	
		US-PATENT-APPL-SN-489009	US-PATENT-CLASS-156-382	

ACCESSION NUMBER INDEX

N76-29894

- N76-22914* # c 54 NASA-CASE-GSC-12082-1
US-PATENT-APPL-SN-676958
- N76-22993* # c 74 NASA-CASE-ARC-10932-1
US-PATENT-APPL-SN-681001
- N76-23273* # c 09 NASA-CASE-MFS-23099-1
US-PATENT-APPL-SN-607969
US-PATENT-CLASS-73-147
US-PATENT-3,952,590
- N76-23426* # c 27 NASA-CASE-MSC-14270-2
US-PATENT-APPL-SN-482105
US-PATENT-CLASS-106-54
US-PATENT-CLASS-427-376
US-PATENT-CLASS-427-379
US-PATENT-CLASS-427-380
US-PATENT-CLASS-427-402
US-PATENT-CLASS-428-332
US-PATENT-CLASS-428-428
US-PATENT-CLASS-428-450
US-PATENT-CLASS-428-538
US-PATENT-CLASS-428-920
US-PATENT-3,955,034
- N76-23570* # c 37 NASA-CASE-LEW-11169-1
US-PATENT-APPL-SN-446568
US-PATENT-CLASS-164-132
US-PATENT-3,957,104
- N76-23675* # c 44 NASA-CASE-MFS-21628-2
US-PATENT-APPL-SN-421702
US-PATENT-APPL-SN-561020
US-PATENT-CLASS-126-270
US-PATENT-CLASS-165-133
US-PATENT-3,957,030
- N76-23850* # c 60 NASA-CASE-MSC-14082-1
US-PATENT-APPL-SN-315070
US-PATENT-CLASS-340-347DD
US-PATENT-CLASS-340-347P
US-PATENT-3,958,238
- N76-24280* # c 09 NASA-CASE-ARC-10808-1
US-PATENT-APPL-SN-505881
US-PATENT-CLASS-178-DIG.35
US-PATENT-CLASS-178-7.89
US-PATENT-CLASS-35-12N
US-PATENT-3,956,833
- N76-24363* # c 24 NASA-CASE-GSC-11786-1
US-PATENT-APPL-SN-401919
US-PATENT-CLASS-106-306
US-PATENT-CLASS-250-372
US-PATENT-CLASS-252-300
US-PATENT-CLASS-350-1
US-PATENT-3,957,675
- N76-24405* # c 27 NASA-CASE-MSC-14331-1
US-PATENT-APPL-SN-374421
US-PATENT-CLASS-106-15FP
US-PATENT-CLASS-260-DIG.24
US-PATENT-CLASS-260-33.8F
US-PATENT-CLASS-260-45.7
US-PATENT-CLASS-260-92.1
US-PATENT-CLASS-526-1
US-PATENT-CLASS-526-255
US-PATENT-3,956,233
- N76-24523* # c 35 NASA-CASE-LAR-11500-1
US-PATENT-APPL-SN-534266
US-PATENT-CLASS-73-1B
US-PATENT-CLASS-73-15.6
US-PATENT-3,956,919
- N76-24524* # c 35 NASA-CASE-NPO-13462-1
US-PATENT-APPL-SN-545282
US-PATENT-CLASS-73-189
US-PATENT-CLASS-73-204
US-PATENT-3,956,932
- N76-24525* # c 35 NASA-CASE-ARC-10816-1
US-PATENT-APPL-SN-552454
US-PATENT-CLASS-128-DIG.4
US-PATENT-CLASS-128-2.05V
US-PATENT-CLASS-128-2.1E
US-PATENT-CLASS-128-2.12
US-PATENT-3,957,037
- N76-24553* # c 36 NASA-CASE-NPO-13531-1
US-PATENT-APPL-SN-531565
US-PATENT-CLASS-331-94.5C
US-PATENT-CLASS-350-96WG
US-PATENT-3,958,188
- N76-24575* # c 37 NASA-CASE-LAR-10073-1
US-PATENT-APPL-SN-436317
US-PATENT-CLASS-156-242
US-PATENT-CLASS-156-286
US-PATENT-CLASS-264-102
US-PATENT-CLASS-264-267
US-PATENT-CLASS-428-117
US-PATENT-3,956,050
- N76-24696* # c 44 NASA-CASE-MFS-22744-1
US-PATENT-APPL-SN-518544
US-PATENT-CLASS-126-270
US-PATENT-CLASS-126-271
US-PATENT-CLASS-350-293
US-PATENT-CLASS-350-299
US-PATENT-3,958,553
- N76-24900* # c 54 NASA-CASE-MSC-14733-1
NASA-CASE-MSC-14735-1
US-PATENT-APPL-SN-522971
US-PATENT-CLASS-128-142.2
US-PATENT-CLASS-128-203
US-PATENT-CLASS-137-DIG.9
US-PATENT-CLASS-137-110
US-PATENT-3,957,044
- N76-25049* # c 76 NASA-CASE-LEW-12094-1
US-PATENT-APPL-SN-508784
US-PATENT-CLASS-148-175
US-PATENT-CLASS-156-610
US-PATENT-CLASS-156-612
US-PATENT-CLASS-156-613
US-PATENT-CLASS-252-62.3
US-PATENT-CLASS-423-345
US-PATENT-CLASS-423-346
US-PATENT-3,956,032
- N76-26175* # c 04 NASA-CASE-MFS-23551-1
US-PATENT-APPL-SN-114772
US-PATENT-CLASS-244-79
US-PATENT-CLASS-74-5.34
US-PATENT-3,739,646
- N76-27232* # c 07 NASA-CASE-LAR-11476-1
US-PATENT-APPL-SN-592159
US-PATENT-CLASS-73-557
US-PATENT-3,964,319
- N76-27383* # c 25 NASA-CASE-LEW-11390-2
US-PATENT-APPL-SN-247434
US-PATENT-APPL-SN-340863
US-PATENT-CLASS-176-11
US-PATENT-CLASS-176-16
US-PATENT-CLASS-423-249
US-PATENT-3,966,547
- N76-27472* # c 33 NASA-CASE-GSC-11924-1
US-PATENT-APPL-SN-582318
US-PATENT-CLASS-343-755
US-PATENT-CLASS-343-779
US-PATENT-CLASS-343-854
US-PATENT-3,965,475
- N76-27473* # c 33 NASA-CASE-HQN-10876-1
US-PATENT-APPL-SN-555336
US-PATENT-CLASS-250-336
US-PATENT-CLASS-250-372
US-PATENT-3,965,354
- N76-27515* # c 34 NASA-CASE-NPO-13391-1
US-PATENT-APPL-SN-446567
US-PATENT-CLASS-165-105
US-PATENT-CLASS-29-182
US-PATENT-CLASS-29-193
US-PATENT-CLASS-55-523
US-PATENT-CLASS-55-526
US-PATENT-CLASS-75-225
US-PATENT-3,964,902
- N76-27517* # c 34 NASA-CASE-ARC-10755-2
US-PATENT-APPL-SN-424013
US-PATENT-APPL-SN-545284
US-PATENT-CLASS-73-147
US-PATENT-CLASS-73-189
US-PATENT-CLASS-73-194R
US-PATENT-3,964,306
- N76-27567* # c 37 NASA-CASE-LAR-11709-1
US-PATENT-APPL-SN-548468
US-PATENT-CLASS-339-17M
US-PATENT-CLASS-339-18C
US-PATENT-3,964,813
- N76-27568* # c 37 NASA-CASE-LAR-11726-1
US-PATENT-APPL-SN-538047
US-PATENT-CLASS-219-118
US-PATENT-CLASS-219-92
US-PATENT-3,967,091
- N76-27664* # c 44 NASA-CASE-MFS-23059-1
US-PATENT-APPL-SN-537024
US-PATENT-CLASS-136-86A
US-PATENT-3,964,928
- N76-28563* # c 38 NASA-CASE-NPO-12142-1
US-PATENT-APPL-SN-637249
US-PATENT-CLASS-73-88.5
US-PATENT-3,545,262
- N76-28635* # c 44 NASA-CASE-GSC-12022-1
NASA-CASE-GSC-12023-1
US-PATENT-APPL-SN-576488
US-PATENT-CLASS-136-89
US-PATENT-CLASS-148-174
US-PATENT-CLASS-148-175
US-PATENT-CLASS-156-612
US-PATENT-CLASS-156-613
US-PATENT-CLASS-156-614
US-PATENT-CLASS-29-572
US-PATENT-CLASS-357-30
US-PATENT-CLASS-357-59
US-PATENT-CLASS-427-113
US-PATENT-CLASS-427-248
US-PATENT-CLASS-427-249
US-PATENT-CLASS-427-250
US-PATENT-CLASS-427-86
- N76-29217* # c 05 US-PATENT-3,961,997
NASA-CASE-ARC-10470-3
US-PATENT-APPL-SN-206279
US-PATENT-APPL-SN-321180
US-PATENT-APPL-SN-496779
US-PATENT-CLASS-244-46
US-PATENT-3,971,535
- N76-29347* # c 17 NASA-CASE-ARC-10849-1
US-PATENT-APPL-SN-563049
US-PATENT-CLASS-340-189M
US-PATENT-CLASS-340-206
US-PATENT-CLASS-73-493
US-PATENT-CLASS-73-517R
US-PATENT-3,972,038
- N76-29379* # c 25 NASA-CASE-LEW-11390-3
US-PATENT-APPL-SN-247434
US-PATENT-APPL-SN-380046
US-PATENT-CLASS-176-11
US-PATENT-CLASS-176-14
US-PATENT-CLASS-176-16
US-PATENT-CLASS-250-400
US-PATENT-CLASS-250-429
US-PATENT-CLASS-250-492R
US-PATENT-3,971,697
- N76-29551* # c 35 NASA-CASE-LAR-10907-1
US-PATENT-APPL-SN-559845
US-PATENT-CLASS-250-340
US-PATENT-CLASS-250-353
US-PATENT-3,971,940
- N76-29552* # c 35 NASA-CASE-MSC-12617-1
US-PATENT-APPL-SN-513576
US-PATENT-CLASS-235-61NV
US-PATENT-CLASS-235-78M
US-PATENT-CLASS-235-88M
US-PATENT-3,971,915
- N76-29575* # c 36 NASA-CASE-NPO-13346-1
US-PATENT-APPL-SN-533556
US-PATENT-CLASS-330-4.3
US-PATENT-CLASS-331-94.5C
US-PATENT-3,972,008
- N76-29588* # c 37 NASA-CASE-LEW-11949-1
US-PATENT-APPL-SN-590182
US-PATENT-CLASS-308-160
US-PATENT-CLASS-308-163
US-PATENT-CLASS-308-170
US-PATENT-3,971,602
- N76-29590* # c 37 NASA-CASE-NPO-13613-1
US-PATENT-APPL-SN-574208
US-PATENT-CLASS-62-6
US-PATENT-3,971,230
- N76-29699* # c 44 NASA-CASE-HQN-10862-1
US-PATENT-APPL-SN-604374
US-PATENT-CLASS-136-143
US-PATENT-CLASS-136-30
US-PATENT-3,972,727
- N76-29700* # c 44 NASA-CASE-NPO-13342-2
US-PATENT-APPL-SN-390049
US-PATENT-APPL-SN-548559
US-PATENT-CLASS-123-1A
US-PATENT-CLASS-123-3
US-PATENT-CLASS-23-281
US-PATENT-CLASS-423-650
US-PATENT-CLASS-48-215
US-PATENT-CLASS-48-95
US-PATENT-3,955,941
- N76-29701* # c 44 NASA-CASE-NPO-13567-1
US-PATENT-APPL-SN-566493
US-PATENT-CLASS-417-141
US-PATENT-CLASS-417-207
US-PATENT-CLASS-417-209
US-PATENT-CLASS-417-379
US-PATENT-CLASS-60-517
US-PATENT-CLASS-62-6
US-PATENT-3,972,651
- N76-29704* # c 44 NASA-CASE-NPO-13464-2
US-PATENT-APPL-SN-428444
US-PATENT-APPL-SN-553687
US-PATENT-CLASS-252-373
US-PATENT-CLASS-42-215
US-PATENT-CLASS-423-650
US-PATENT-CLASS-431-163
US-PATENT-CLASS-431-210
US-PATENT-CLASS-431-4
US-PATENT-CLASS-48-197R
US-PATENT-3,971,847
- N76-29891* # c 51 NASA-CASE-GSC-11917-2
US-PATENT-APPL-SN-475337
US-PATENT-APPL-SN-555641
US-PATENT-CLASS-195-103.5R
US-PATENT-3,971,703
- N76-29894* # c 52 NASA-CASE-ARC-10583-1
US-PATENT-APPL-SN-301418
US-PATENT-CLASS-128-2.1A
US-PATENT-CLASS-128-2H
US-PATENT-CLASS-128-2P
US-PATENT-3,971,362

N76-29895* #	c 52	NASA-CASE-NPO-13644-1 US-PATENT-APPL-SN-574218 US-PATENT-CLASS-128-2.05R US-PATENT-CLASS-128-2S US-PATENT-CLASS-338-6 US-PATENT-3,971,363	US-PATENT-CLASS-165-10 US-PATENT-CLASS-60-659 US-PATENT-3,977,197	US-PATENT-APPL-SN-595197 US-PATENT-CLASS-244-1A US-PATENT-CLASS-244-42CG US-PATENT-CLASS-317-2D US-PATENT-CLASS-324-72 US-PATENT-3,984,730
N76-29896* #	c 52	NASA-CASE-NPO-13643-1 US-PATENT-APPL-SN-578241 US-PATENT-CLASS-128-2.05E US-PATENT-CLASS-128-2.06E US-PATENT-CLASS-128-2S US-PATENT-CLASS-128-418 US-PATENT-CLASS-128-419P US-PATENT-CLASS-73-398AR US-PATENT-3,971,364	N76-31714* # c 45 NASA-CASE-LAR-11405-1 US-PATENT-APPL-SN-537480 US-PATENT-CLASS-23-230R US-PATENT-CLASS-23-232E US-PATENT-CLASS-23-232R US-PATENT-3,977,831	N77-10463* # c 34 NASA-CASE-MFS-22991-1 US-PATENT-APPL-SN-521006 US-PATENT-CLASS-165-164 US-PATENT-CLASS-165-170 US-PATENT-3,983,933
N76-30053* #	c 74	NASA-CASE-GSC-11782-1 US-PATENT-APPL-SN-463925 US-PATENT-CLASS-250-199 US-PATENT-3,971,930	N76-31946* # c 62 NASA-CASE-GSC-12115-1 US-PATENT-APPL-SN-262596 US-PATENT-CLASS-340-347SY US-PATENT-3,976,997	N77-10492* # c 35 NASA-CASE-NPO-13479-1 US-PATENT-APPL-SN-500981 US-PATENT-CLASS-250-290 US-PATENT-CLASS-250-291 US-PATENT-3,984,681
N76-30131* #	c 91	NASA-CASE-MSC-12423-1 US-PATENT-APPL-SN-448320 US-PATENT-CLASS-73-170R US-PATENT-CLASS-73-425.2 US-PATENT-CLASS-73-432R US-PATENT-3,971,256	N76-31998* # c 74 NASA-CASE-MSC-12640-1 US-PATENT-APPL-SN-591568 US-PATENT-CLASS-350-162SF US-PATENT-3,977,771	N77-10493* # c 35 NASA-CASE-MFS-23178-1 US-PATENT-APPL-SN-637247 US-PATENT-CLASS-250-338 US-PATENT-CLASS-250-339 US-PATENT-CLASS-250-347 US-PATENT-CLASS-356-106R US-PATENT-3,984,686
N76-30793* #	c 52	US-PATENT-APPL-SN-452768 US-PATENT-CLASS-351-23 US-PATENT-CLASS-351-30 US-PATENT-CLASS-351-36 US-PATENT-RE-28,921	N76-32140* # c 03 NASA-CASE-MFS-16609-3 US-PATENT-APPL-SN-307714 US-PATENT-APPL-SN-511894 US-PATENT-APPL-SN-82279 US-PATENT-CLASS-325-114 US-PATENT-CLASS-325-115 US-PATENT-CLASS-325-186 US-PATENT-CLASS-343-705 US-PATENT-3,978,410	N77-10584* # c 43 NASA-CASE-MSC-14472-1 US-PATENT-APPL-SN-502138 US-PATENT-CLASS-235-181 US-PATENT-CLASS-340-146.3P US-PATENT-CLASS-340-146.3Q US-PATENT-3,984,671
N76-31365* #	c 31	NASA-CASE-ARC-10445-1 US-PATENT-APPL-SN-491418 US-PATENT-CLASS-313-250 US-PATENT-CLASS-313-306 US-PATENT-CLASS-313-309 US-PATENT-CLASS-313-338 US-PATENT-3,978,364	N76-32315* # c 27 NASA-CASE-ARC-10592-2 US-PATENT-APPL-SN-414043 US-PATENT-CLASS-260-240G US-PATENT-CLASS-260-566B US-PATENT-3,965,096	N77-10635* # c 44 NASA-CASE-MFS-22458-1 US-PATENT-APPL-SN-571458 US-PATENT-CLASS-136-89 US-PATENT-CLASS-29-572 US-PATENT-3,984,256
N76-31372* #	c 32	NASA-CASE-NPO-13465-1 US-PATENT-APPL-SN-531575 US-PATENT-CLASS-179-1SA US-PATENT-3,978,287	N76-32457* # c 33 NASA-CASE-NPO-13553-1 US-PATENT-APPL-SN-616333 US-PATENT-CLASS-343-882 US-PATENT-CLASS-343-915 US-PATENT-3,978,490	N77-10636* # c 44 NASA-CASE-NPO-13560-1 NASA-CASE-NPO-13561-1 US-PATENT-APPL-SN-487156 US-PATENT-CLASS-123-3 US-PATENT-CLASS-23-281 US-PATENT-CLASS-252-373 US-PATENT-CLASS-423-650 US-PATENT-CLASS-431-11 US-PATENT-CLASS-431-116 US-PATENT-CLASS-431-162 US-PATENT-CLASS-431-170 US-PATENT-CLASS-431-41 US-PATENT-CLASS-48-116 US-PATENT-CLASS-48-117 US-PATENT-CLASS-48-197R US-PATENT-CLASS-48-212 US-PATENT-CLASS-48-61 US-PATENT-3,982,910
N76-31409* #	c 33	NASA-CASE-NPO-12134-1 US-PATENT-APPL-SN-536785 US-PATENT-CLASS-313-94 US-PATENT-CLASS-357-63 US-PATENT-3,978,360	N76-33835* # c 52 NASA-CASE-ARC-10994-1 US-PATENT-APPL-SN-728369	N77-10636* # c 44 NASA-CASE-NPO-13560-1 NASA-CASE-NPO-13561-1 US-PATENT-APPL-SN-487156 US-PATENT-CLASS-123-3 US-PATENT-CLASS-23-281 US-PATENT-CLASS-252-373 US-PATENT-CLASS-423-650 US-PATENT-CLASS-431-11 US-PATENT-CLASS-431-116 US-PATENT-CLASS-431-162 US-PATENT-CLASS-431-170 US-PATENT-CLASS-431-41 US-PATENT-CLASS-48-116 US-PATENT-CLASS-48-117 US-PATENT-CLASS-48-197R US-PATENT-CLASS-48-212 US-PATENT-CLASS-48-61 US-PATENT-3,982,910
N76-31489* #	c 35	NASA-CASE-GSC-11893-1 US-PATENT-APPL-SN-585420 US-PATENT-CLASS-73-9 US-PATENT-3,977,231	N77-10001* # c 02 NASA-CASE-LAR-11645-1 US-PATENT-APPL-SN-473973 US-PATENT-CLASS-244-113 US-PATENT-CLASS-244-130 US-PATENT-3,984,070	N77-10753* # c 47 NASA-CASE-MFS-23362-1 US-PATENT-APPL-SN-637268 US-PATENT-CLASS-250-338 US-PATENT-CLASS-250-339 US-PATENT-CLASS-250-347 US-PATENT-CLASS-356-106R US-PATENT-3,984,685
N76-31490* #	c 35	NASA-CASE-NPO-13604-1 US-PATENT-APPL-SN-574219 US-PATENT-CLASS-356-106S US-PATENT-CLASS-356-114 US-PATENT-CLASS-356-209 US-PATENT-CLASS-356-244 US-PATENT-3,977,787	N77-10071* # c 09 NASA-CASE-NPO-13528-1 US-PATENT-APPL-SN-521620 US-PATENT-CLASS-73-147 US-PATENT-3,983,749	N77-10780* # c 52 NASA-CASE-ARC-10855-1 US-PATENT-APPL-SN-617612 US-PATENT-CLASS-128-2H US-PATENT-CLASS-73-343R US-PATENT-3,983,753
N76-31512* #	c 36	NASA-CASE-NPO-13490-1 US-PATENT-APPL-SN-549418 US-PATENT-CLASS-330-4 US-PATENT-CLASS-331-94 US-PATENT-3,978,417	N77-10112* # c 15 NASA-CASE-MFS-20855-1 US-PATENT-APPL-SN-243374 US-PATENT-CLASS-244-1SD US-PATENT-3,744,739	N77-10899* # c 74 NASA-CASE-MSC-19442-1 US-PATENT-APPL-SN-558600 US-PATENT-CLASS-356-237 US-PATENT-CLASS-356-239 US-PATENT-3,985,454
N76-31524* #	c 37	NASA-CASE-NPO-13535-1 US-PATENT-APPL-SN-563050 US-PATENT-CLASS-264-129 US-PATENT-CLASS-264-161 US-PATENT-CLASS-264-219 US-PATENT-CLASS-264-304 US-PATENT-CLASS-264-305 US-PATENT-CLASS-264-308 US-PATENT-CLASS-264-310 US-PATENT-CLASS-264-318 US-PATENT-CLASS-264-334 US-PATENT-CLASS-427-230 US-PATENT-3,978,187	N77-10113* # c 15 NASA-CASE-MFS-22787-1 US-PATENT-APPL-SN-511346 US-PATENT-CLASS-244-169 US-PATENT-CLASS-244-171 US-PATENT-CLASS-244-3.21 US-PATENT-3,984,072	N77-11397* # c 37 NASA-CASE-LAR-11549-1 US-PATENT-APPL-SN-537979 US-PATENT-CLASS-219-118 US-PATENT-CLASS-219-92 US-PATENT-3,988,561
N76-31562* #	c 39	NASA-CASE-MSC-19372-1 US-PATENT-APPL-SN-517995 US-PATENT-CLASS-182-178 US-PATENT-CLASS-29-467 US-PATENT-CLASS-29-526 US-PATENT-CLASS-52-236 US-PATENT-CLASS-52-637 US-PATENT-CLASS-52-648 US-PATENT-CLASS-52-651 US-PATENT-CLASS-52-726 US-PATENT-CLASS-52-745 US-PATENT-CLASS-52-749 US-PATENT-3,977,147	N77-10148* # c 20 NASA-CASE-LEW-12082-1 US-PATENT-APPL-SN-612964 US-PATENT-CLASS-313-231.4 US-PATENT-CLASS-313-240 US-PATENT-CLASS-313-361 US-PATENT-CLASS-315-111.3 US-PATENT-CLASS-60-202 US-PATENT-3,983,695	N77-12239* # c 32 NASA-CASE-MSC-12506-1 US-PATENT-APPL-SN-545283 US-PATENT-CLASS-340-347DD US-PATENT-3,988,729
N76-31666* #	c 44	NASA-CASE-NPO-13087-2 US-PATENT-APPL-SN-296622 US-PATENT-APPL-SN-462341 US-PATENT-CLASS-136-206 US-PATENT-CLASS-136-89 US-PATENT-3,966,499	N77-10213* # c 28 NASA-CASE-LAR-11995-1 US-PATENT-APPL-SN-238826 US-PATENT-CLASS-102-99 US-PATENT-CLASS-264-3R US-PATENT-CLASS-86-1R US-PATENT-3,983,780	N77-12240* # c 32 NASA-CASE-NPO-13543-1 NASA-CASE-NPO-13545-1 US-PATENT-APPL-SN-589173 US-PATENT-CLASS-325-41 US-PATENT-CLASS-340-146.1AL US-PATENT-CLASS-340-146.1AQ US-PATENT-CLASS-340-146.1AV US-PATENT-3,988,677
N76-31667* #	c 44	NASA-CASE-MFS-23167-1 US-PATENT-APPL-SN-602618	N77-10229* # c 31 NASA-CASE-NPO-13459-1 US-PATENT-APPL-SN-598967 US-PATENT-CLASS-62-217 US-PATENT-CLASS-62-514JT US-PATENT-3,983,714	N77-12402* # c 37 NASA-CASE-MFS-23062-1 US-PATENT-APPL-SN-591569 US-PATENT-CLASS-60-527 US-PATENT-3,987,630
			N77-10428* # c 33 NASA-CASE-NPO-13512-1 US-PATENT-APPL-SN-533734 US-PATENT-CLASS-321-19 US-PATENT-CLASS-321-2 US-PATENT-CLASS-323-DIG.1 US-PATENT-CLASS-323-17 US-PATENT-CLASS-323-22T US-PATENT-CLASS-323-23 US-PATENT-3,984,799	N77-12721* # c 60 NASA-CASE-NPO-13428-1 NASA-CASE-NPO-13447-1 US-PATENT-APPL-SN-495022 US-PATENT-CLASS-179-15BA US-PATENT-CLASS-328-111 US-PATENT-CLASS-340-172.5
			N77-10429* # c 33 NASA-CASE-GSC-11963-1	

ACCESSION NUMBER INDEX

N77-19457

- N77-13217* # c 27 US-PATENT-3,988,716
NASA-CASE-NPO-13666-1
US-PATENT-APPL-SN-633877
US-PATENT-CLASS-29-182.5
US-PATENT-3,990,860
- N77-13315* # c 33 NASA-CASE-NPO-11515-1
US-PATENT-APPL-SN-139596
US-PATENT-CLASS-307-233
US-PATENT-CLASS-307-295
US-PATENT-CLASS-328-133
US-PATENT-3,750,035
- N77-13418* # c 37 NASA-CASE-ARC-10905-1
US-PATENT-APPL-SN-618594
US-PATENT-CLASS-219-300
US-PATENT-CLASS-219-304
US-PATENT-CLASS-239-171
US-PATENT-CLASS-252-359A
US-PATENT-3,990,987
- N77-14025* # c 07 NASA-CASE-LEW-12419-1
US-PATENT-APPL-SN-579375
US-PATENT-CLASS-416-153
US-PATENT-CLASS-416-160
US-PATENT-CLASS-416-162
US-PATENT-CLASS-416-165
US-PATENT-CLASS-416-167
US-PATENT-CLASS-60-226R
US-PATENT-3,994,128
- N77-14292* # c 32 NASA-CASE-LAR-11607-1
US-PATENT-APPL-SN-617895
US-PATENT-CLASS-325-145
US-PATENT-CLASS-332-22
US-PATENT-CLASS-332-23R
US-PATENT-3,996,532
- N77-14333* # c 33 NASA-CASE-GSC-11789-1
US-PATENT-APPL-SN-538982
US-PATENT-CLASS-317-31
US-PATENT-CLASS-321-13
US-PATENT-3,996,506
- N77-14334* # c 33 NASA-CASE-GSC-12018-1
US-PATENT-APPL-SN-635531
US-PATENT-CLASS-329-122
US-PATENT-CLASS-329-124
US-PATENT-CLASS-331-23
US-PATENT-CLASS-331-36C
US-PATENT-CLASS-332-30V
US-PATENT-3,997,848
- N77-14335* # c 33 NASA-CASE-MFS-22560-1
US-PATENT-APPL-SN-589233
US-PATENT-CLASS-250-214A
US-PATENT-CLASS-330-14
US-PATENT-CLASS-330-28
US-PATENT-CLASS-330-59
US-PATENT-3,996,462
- N77-14406* # c 35 NASA-CASE-NPO-13663-1
US-PATENT-APPL-SN-634205
US-PATENT-CLASS-250-289
US-PATENT-CLASS-250-298
US-PATENT-3,996,464
- N77-14407* # c 35 NASA-CASE-LAR-11648-1
US-PATENT-APPL-SN-645571
US-PATENT-CLASS-73-133R
US-PATENT-3,995,476
- N77-14408* # c 35 NASA-CASE-ARC-10448-3
US-PATENT-APPL-SN-221670
US-PATENT-APPL-SN-318848
US-PATENT-CLASS-250-396
US-PATENT-3,996,468
- N77-14409* # c 35 NASA-CASE-NPO-13540-1
US-PATENT-APPL-SN-526450
US-PATENT-CLASS-136-232
US-PATENT-CLASS-136-233
US-PATENT-3,996,070
- N77-14411* # c 35 NASA-CASE-NPO-13683-1
US-PATENT-APPL-SN-599284
US-PATENT-CLASS-250-343
US-PATENT-CLASS-356-201
US-PATENT-CLASS-356-204
US-PATENT-CLASS-356-97
US-PATENT-3,995,960
- N77-14477* # c 37 NASA-CASE-FRC-10081-1
US-PATENT-APPL-SN-598504
US-PATENT-CLASS-280-432
US-PATENT-3,995,877
- N77-14478* # c 37 NASA-CASE-LAR-11658-1
US-PATENT-APPL-SN-625759
US-PATENT-CLASS-83-451
US-PATENT-CLASS-83-467R
US-PATENT-3,995,522
- N77-14479* # c 37 NASA-CASE-GSC-11960-1
US-PATENT-APPL-SN-629456
US-PATENT-CLASS-242-187
US-PATENT-CLASS-242-193
US-PATENT-CLASS-242-204
US-PATENT-CLASS-242-210
US-PATENT-CLASS-242-57
US-PATENT-3,995,789
- N77-14580* # c 44 NASA-CASE-LEW-11496-1
US-PATENT-APPL-SN-645508
US-PATENT-CLASS-136-89
US-PATENT-CLASS-204-192
US-PATENT-3,996,067
- N77-14581* # c 44 NASA-CASE-LEW-12220-1
US-PATENT-APPL-SN-606891
US-PATENT-CLASS-320-2
US-PATENT-CLASS-429-23
US-PATENT-CLASS-429-34
US-PATENT-3,996,064
- N77-14735* # c 52 NASA-CASE-MFS-23225-1
US-PATENT-APPL-SN-612965
US-PATENT-CLASS-3-1.2
US-PATENT-CLASS-3-14
US-PATENT-3,995,324
- N77-14736* # c 52 NASA-CASE-ARC-11007-1
US-PATENT-APPL-SN-652948
US-PATENT-CLASS-128-2H
US-PATENT-CLASS-128-379
US-PATENT-CLASS-128-400
US-PATENT-CLASS-128-402
US-PATENT-3,995,621
- N77-14737* # c 52 NASA-CASE-MSC-14276-1
US-PATENT-APPL-SN-557430
US-PATENT-CLASS-250-363R
US-PATENT-CLASS-250-444
US-PATENT-CLASS-250-498
US-PATENT-3,996,471
- N77-14738* # c 52 NASA-CASE-KSC-10849-1
US-PATENT-APPL-SN-613734
US-PATENT-CLASS-128-418
US-PATENT-CLASS-3-1.1
US-PATENT-CLASS-339-252R
US-PATENT-3,995,644
- N77-14751* # c 60 NASA-CASE-GSC-11839-1
US-PATENT-APPL-SN-468614
US-PATENT-CLASS-235-152
US-PATENT-CLASS-250-227
US-PATENT-CLASS-340-172.5
US-PATENT-CLASS-350-96R
US-PATENT-3,996,455
- N77-17029* # c 05 NASA-CASE-ARC-10807-1
US-PATENT-APPL-SN-513612
US-PATENT-CLASS-416-104
US-PATENT-CLASS-416-138
US-PATENT-CLASS-416-141
US-PATENT-3,999,886
- N77-17059* # c 07 NASA-CASE-LEW-12760-1
US-PATENT-APPL-SN-569925
US-PATENT-CLASS-60-226A
US-PATENT-CLASS-60-228
US-PATENT-4,005,574
- N77-17143* # c 20 NASA-CASE-KLA-1349
US-PATENT-APPL-SN-256493
US-PATENT-APPL-SN-54552
US-PATENT-CLASS-102-49.3
US-PATENT-CLASS-264-3R
US-PATENT-CLASS-86-1R
US-PATENT-CLASS-86-20R
US-PATENT-4,000,682
- N77-17161* # c 23 NASA-CASE-MSC-14428-1
US-PATENT-APPL-SN-450504
US-PATENT-CLASS-23-230B
US-PATENT-CLASS-23-230M
US-PATENT-CLASS-23-230R
US-PATENT-CLASS-23-231
US-PATENT-CLASS-23-232C
US-PATENT-CLASS-23-232R
US-PATENT-CLASS-23-254R
US-PATENT-CLASS-55-197
US-PATENT-CLASS-55-67
US-PATENT-CLASS-55-74
US-PATENT-CLASS-73-23.1
US-PATENT-CLASS-73-61.1C
US-PATENT-4,003,257
- N77-17351* # c 33 NASA-CASE-MFS-23181-1
US-PATENT-APPL-SN-566495
US-PATENT-CLASS-331-114
US-PATENT-CLASS-331-177V
US-PATENT-CLASS-332-18
US-PATENT-CLASS-332-30V
US-PATENT-4,003,004
- N77-17354* # c 33 NASA-CASE-LEW-11881-1
US-PATENT-APPL-SN-598968
US-PATENT-CLASS-307-229
US-PATENT-CLASS-307-230
US-PATENT-CLASS-328-161
US-PATENT-4,001,602
- N77-17426* # c 35 NASA-CASE-MFS-22671-2
US-PATENT-APPL-SN-419831
US-PATENT-APPL-SN-561956
US-PATENT-CLASS-360-25
US-PATENT-CLASS-360-31
US-PATENT-4,003,084
- N77-17464* # c 37 NASA-CASE-GSC-11978-1
US-PATENT-APPL-SN-593142
US-PATENT-CLASS-308-10
US-PATENT-4,000,929
- N77-17495* # c 38 NASA-CASE-GSC-11902-1
US-PATENT-APPL-SN-585289
US-PATENT-CLASS-235-92CA
US-PATENT-CLASS-235-92CT
US-PATENT-CLASS-235-92DN
US-PATENT-CLASS-235-92R
US-PATENT-4,001,552
- N77-18154* # c 07 NASA-CASE-ARC-10761-1
US-PATENT-APPL-SN-612899
US-PATENT-CLASS-137-15.1
US-PATENT-CLASS-244-53B
US-PATENT-4,007,891
- N77-18307* # c 32 NASA-CASE-MFS-23303-1
US-PATENT-APPL-SN-676957
US-PATENT-CLASS-333-70R
US-PATENT-CLASS-333-75
US-PATENT-CLASS-333-76
US-PATENT-CLASS-333-82B
US-PATENT-4,007,434
- N77-18382* # c 34 NASA-CASE-LAR-10805-2
US-PATENT-APPL-SN-428992
US-PATENT-APPL-SN-578240
US-PATENT-CLASS-244-117A
US-PATENT-CLASS-427-160
US-PATENT-CLASS-427-322
US-PATENT-CLASS-428-35
US-PATENT-CLASS-428-421
US-PATENT-CLASS-428-461
US-PATENT-CLASS-428-474
US-PATENT-4,008,348
- N77-18417* # c 35 NASA-CASE-ARC-10898-1
US-PATENT-APPL-SN-625732
US-PATENT-CLASS-73-12
US-PATENT-CLASS-73-432SD
US-PATENT-CLASS-73-71.6
US-PATENT-4,007,623
- N77-18891* # c 73 NASA-CASE-NPO-13121-1
US-PATENT-APPL-SN-294727
US-PATENT-CLASS-310-4R
US-PATENT-CLASS-313-311
US-PATENT-CLASS-346R
US-PATENT-4,008,407
- N77-18893* # c 74 NASA-CASE-MSC-14683-1
US-PATENT-APPL-SN-612967
US-PATENT-CLASS-358-44
US-PATENT-4,004,292
- N77-19056* # c 04 NASA-CASE-LAR-11387-2
US-PATENT-APPL-SN-531647
US-PATENT-APPL-SN-623156
US-PATENT-CLASS-33-356
US-PATENT-CLASS-73-178R
US-PATENT-4,006,631
- N77-19076* # c 09 NASA-CASE-ARC-10979-1
US-PATENT-APPL-SN-608483
US-PATENT-CLASS-124-6
US-PATENT-CLASS-244-63
US-PATENT-3,989,206
- N77-19170* # c 24 NASA-CASE-LEW-12550-1
US-PATENT-APPL-SN-596905
US-PATENT-CLASS-416-224
US-PATENT-CLASS-416-230
US-PATENT-4,006,999
- N77-19171* # c 24 NASA-CASE-LEW-12619-1
US-PATENT-APPL-SN-462424
US-PATENT-CLASS-204-16
US-PATENT-CLASS-204-40
US-PATENT-CLASS-204-9
US-PATENT-CLASS-29-527.2
US-PATENT-3,989,602
- N77-19353* # c 34 NASA-CASE-ARC-10912-1
US-PATENT-APPL-SN-623187
US-PATENT-CLASS-62-100
US-PATENT-CLASS-62-121
US-PATENT-CLASS-62-269
US-PATENT-CLASS-62-315
US-PATENT-4,007,601
- N77-19385* # c 35 NASA-CASE-MSC-14653-1
US-PATENT-APPL-SN-521816
US-PATENT-CLASS-177-1
US-PATENT-CLASS-177-208
US-PATENT-CLASS-73-432R
US-PATENT-3,988,933
- N77-19416* # c 36 NASA-CASE-XNP-04167-3
US-PATENT-APPL-SN-170544
US-PATENT-APPL-SN-479357
US-PATENT-CLASS-331-94.5D
US-PATENT-CLASS-331-94.5G
US-PATENT-CLASS-331-94.5PE
US-PATENT-4,007,430
- N77-19457* # c 37 NASA-CASE-MFS-15218-1
US-PATENT-APPL-SN-387094
US-PATENT-CLASS-197-188
US-PATENT-CLASS-197-190

F-50

		US-PATENT-APPL-SN-583486			US-PATENT-APPL-SN-394898			US-PATENT-CLASS-325-42
		US-PATENT-CLASS-318-138			US-PATENT-CLASS-415-145			US-PATENT-CLASS-325-473
		US-PATENT-CLASS-318-227			US-PATENT-CLASS-60-226R			US-PATENT-CLASS-325-65
		US-PATENT-CLASS-318-254			US-PATENT-CLASS-60-263			US-PATENT-4,041,391
		US-PATENT-4,027,212			US-PATENT-4,033,119	N77-30309* #	c 32	NASA-CASE-GSC-11898-1
N77-26387* #	c 33	NASA-CASE-LAR-11389-1	N77-28225* #	c 24	NASA-CASE-MSC-12631-1			US-PATENT-APPL-SN-566494
		US-PATENT-APPL-SN-229143			US-PATENT-APPL-SN-568541			US-PATENT-CLASS-179-15A
		US-PATENT-APPL-SN-340862			US-PATENT-CLASS-156-229			US-PATENT-CLASS-179-15P
		US-PATENT-CLASS-310-111			US-PATENT-CLASS-244-123			US-PATENT-4,039,754
		US-PATENT-CLASS-310-168			US-PATENT-CLASS-428-141	N77-30365* #	c 33	NASA-CASE-NPO-13812-1
		US-PATENT-CLASS-322-96			US-PATENT-CLASS-428-161			US-PATENT-APPL-SN-694855
		US-PATENT-3,849,720			US-PATENT-CLASS-428-425			US-PATENT-CLASS-307-64
N77-26477* #	c 36	NASA-CASE-NPO-13550-1			US-PATENT-CLASS-428-457			US-PATENT-CLASS-363-53
		US-PATENT-APPL-SN-483301			US-PATENT-CLASS-428-458			US-PATENT-CLASS-363-70
		US-PATENT-CLASS-250-281			US-PATENT-4,032,089			US-PATENT-4,039,925
		US-PATENT-CLASS-250-282	N77-28265* #	c 26	NASA-CASE-LEW-11573-1	N77-30399* #	c 34	NASA-CASE-MFS-19287-1
		US-PATENT-CLASS-250-283			US-PATENT-APPL-SN-625733			US-PATENT-APPL-SN-641802
		US-PATENT-CLASS-250-423P			US-PATENT-CLASS-228-190			US-PATENT-CLASS-137-207
		US-PATENT-4,031,389			US-PATENT-CLASS-228-194			US-PATENT-CLASS-137-209
N77-26919* #	c 71	NASA-CASE-NPO-13673-1			US-PATENT-CLASS-228-232			US-PATENT-CLASS-60-259
		US-PATENT-APPL-SN-613004			US-PATENT-4,033,504			US-PATENT-CLASS-62-55
		US-PATENT-CLASS-330-5.5	N77-28346* #	c 32	NASA-CASE-GSC-12053-1	N77-30436* #	c 35	US-PATENT-4,039,000
		US-PATENT-CLASS-331-107A			US-PATENT-APPL-SN-667930			NASA-CASE-MFS-23175-1
		US-PATENT-CLASS-333-72			US-PATENT-CLASS-250-199			US-PATENT-APPL-SN-667928
		US-PATENT-4,025,876			US-PATENT-CLASS-250-238			US-PATENT-CLASS-324-163
N77-26942* #	c 74	NASA-CASE-GSC-12058-1			US-PATENT-4,033,882			US-PATENT-CLASS-324-165
		US-PATENT-APPL-SN-680938	N77-28385* #	c 33	NASA-CASE-LEW-12444-1			US-PATENT-CLASS-324-174
		US-PATENT-CLASS-250-199			US-PATENT-APPL-SN-583485			US-PATENT-CLASS-340-271
		US-PATENT-4,025,783			US-PATENT-CLASS-123-148CB			US-PATENT-CLASS-340-347P
N77-27116* #	c 07	NASA-CASE-LEW-12608-1			US-PATENT-CLASS-123-148E			US-PATENT-CLASS-340-347SY
		US-PATENT-APPL-SN-680067			US-PATENT-CLASS-315-176			US-PATENT-4,039,946
		US-PATENT-CLASS-416-220R			US-PATENT-4,033,316	N77-30749* #	c 54	NASA-CASE-KSC-11004-1
		US-PATENT-CLASS-416-221	N77-28486* #	c 37	NASA-CASE-LEW-11158-1			US-PATENT-APPL-SN-710032
		US-PATENT-4,033,705			US-PATENT-APPL-SN-663008			US-PATENT-CLASS-3-2
N77-27131* #	c 09	NASA-CASE-LAR-11883-1			US-PATENT-CLASS-308-5R			US-PATENT-CLASS-3-21
		US-PATENT-APPL-SN-662175			US-PATENT-CLASS-308-73			US-PATENT-4,038,705
		US-PATENT-CLASS-73-15R			US-PATENT-CLASS-308-9	N77-31308* #	c 27	NASA-CASE-NPO-11609-2
		US-PATENT-4,027,524			US-PATENT-4,035,037			US-PATENT-APPL-SN-228229
N77-27187* #	c 24	NASA-CASE-MFS-22926-1	N77-28487* #	c 37	NASA-CASE-MSC-14905-1			US-PATENT-APPL-SN-674700
		US-PATENT-APPL-SN-557565			US-PATENT-APPL-SN-708795			US-PATENT-CLASS-210-DIG.27
		US-PATENT-CLASS-164-60			US-PATENT-CLASS-128-DIG.12			US-PATENT-CLASS-210-40
		US-PATENT-CLASS-75-135			US-PATENT-CLASS-128-214F			US-PATENT-CLASS-260-2.5A
		US-PATENT-CLASS-75-139			US-PATENT-CLASS-222-61			US-PATENT-CLASS-260-2.5AM
		US-PATENT-CLASS-75-65R			US-PATENT-CLASS-222-95			US-PATENT-CLASS-260-2.5AY
		US-PATENT-4,029,500			US-PATENT-4,033,479			US-PATENT-CLASS-260-77.5AP
N77-27188* #	c 24	NASA-CASE-LEW-12118-1	N77-28511* #	c 39	NASA-CASE-MFS-23299-1	N77-31350* #	c 32	US-PATENT-4,039,489
		US-PATENT-APPL-SN-616332			US-PATENT-APPL-SN-700673			NASA-CASE-GSC-12075-1
		US-PATENT-CLASS-428-301			US-PATENT-CLASS-73-67.7			US-PATENT-APPL-SN-562499
		US-PATENT-CLASS-428-328			US-PATENT-CLASS-73-88R			US-PATENT-CLASS-343-17.7
		US-PATENT-CLASS-428-368			US-PATENT-4,033,182			US-PATENT-4,042,926
		US-PATENT-CLASS-428-418	N77-28716* #	c 52	NASA-CASE-LEW-12258-1	N77-31404* #	c 33	NASA-CASE-ARC-10897-1
		US-PATENT-CLASS-428-457			US-PATENT-APPL-SN-676433			US-PATENT-APPL-SN-625781
		US-PATENT-CLASS-428-902			US-PATENT-CLASS-128-1R			US-PATENT-CLASS-323-93
		US-PATENT-CLASS-428-911			US-PATENT-CLASS-128-303R			US-PATENT-CLASS-324-60
		US-PATENT-4,029,838			US-PATENT-4,033,349			US-PATENT-CLASS-340-200
N77-27345* #	c 34	NASA-CASE-ARC-10974-1	N77-28717* #	c 52	NASA-CASE-MSC-14623-1			US-PATENT-CLASS-340-347SH
		US-PATENT-APPL-SN-667010			US-PATENT-APPL-SN-637269			US-PATENT-4,040,041
		US-PATENT-CLASS-73-189			US-PATENT-CLASS-128-DIG.4	N77-31465* #	c 35	NASA-CASE-MFS-23118-1
		US-PATENT-CLASS-73-228			US-PATENT-CLASS-128-2.1E			US-PATENT-APPL-SN-691256
		US-PATENT-4,028,939			US-PATENT-CLASS-128-410			US-PATENT-CLASS-356-212
N77-27366* #	c 35	NASA-CASE-GSC-12059-1			US-PATENT-4,033,334			US-PATENT-4,040,750
		US-PATENT-APPL-SN-680957	N77-28932* #	c 74	NASA-CASE-GSC-11989-1	N77-31497* #	c 37	NASA-CASE-NPO-13671-1
		US-PATENT-CLASS-331-94.5D			US-PATENT-APPL-SN-645500			US-PATENT-APPL-SN-564622
		US-PATENT-CLASS-331-94.5T			US-PATENT-CLASS-350-162SF			US-PATENT-CLASS-123-DIG.8
		US-PATENT-CLASS-350-253			US-PATENT-CLASS-350-202			US-PATENT-CLASS-123-119A
		US-PATENT-4,030,047			US-PATENT-CLASS-350-299			US-PATENT-CLASS-123-122AB
N77-27367* #	c 35	NASA-CASE-NPO-11103-1			US-PATENT-4,035,062			US-PATENT-CLASS-123-3
		US-PATENT-APPL-SN-3654	N77-28933* #	c 74	NASA-CASE-NPO-13707-1			US-PATENT-CLASS-123-37
		US-PATENT-CLASS-73-84			US-PATENT-APPL-SN-617202			US-PATENT-CLASS-123-59E
		US-PATENT-3,623,359			US-PATENT-CLASS-350-288			US-PATENT-4,041,910
N77-27368* #	c 35	NASA-CASE-MSC-12327-1			US-PATENT-CLASS-350-310	N77-31601* #	c 44	NASA-CASE-LEW-12587-1
		US-PATENT-APPL-SN-19572			US-PATENT-CLASS-350-320			US-PATENT-APPL-SN-717319
		US-PATENT-CLASS-73-362AR			US-PATENT-4,035,065			US-PATENT-CLASS-136-89AC
		US-PATENT-3,613,454	N77-29260* #	c 26	NASA-CASE-MFS-23405-1			US-PATENT-CLASS-136-89P
N77-27400* #	c 37	NASA-CASE-GSC-11063-1			US-PATENT-APPL-SN-718267			US-PATENT-CLASS-52-173R
		US-PATENT-APPL-SN-41431			US-PATENT-CLASS-228-124			US-PATENT-CLASS-52-51
		US-PATENT-CLASS-318-267			US-PATENT-CLASS-228-263			US-PATENT-4,040,867
		US-PATENT-CLASS-318-468			US-PATENT-4,033,503	N77-32148* #	c 07	NASA-CASE-LEW-12312-1
		US-PATENT-CLASS-318-470			US-PATENT-CLASS-13620-1			US-PATENT-APPL-SN-654787
		US-PATENT-CLASS-318-675	N77-30236* #	c 27	US-PATENT-APPL-SN-666992			US-PATENT-CLASS-416-135
		US-PATENT-3,628,113			US-PATENT-CLASS-210-24			US-PATENT-CLASS-416-190
N77-27677* #	c 51	NASA-CASE-LAR-11649-1			US-PATENT-CLASS-536-105			US-PATENT-CLASS-416-193A
		US-PATENT-APPL-SN-626942			US-PATENT-CLASS-536-536-85			US-PATENT-CLASS-416-241A
		US-PATENT-CLASS-118-313			US-PATENT-CLASS-536-56			US-PATENT-4,045,149
		US-PATENT-CLASS-118-6			US-PATENT-CLASS-536-58	N77-32255* #	c 25	NASA-CASE-NPO-13566-1
		US-PATENT-CLASS-118-9			US-PATENT-CLASS-536-84			US-PATENT-APPL-SN-653316
		US-PATENT-CLASS-23-253A			US-PATENT-4,041,233			US-PATENT-CLASS-204-DIG.11
		US-PATENT-CLASS-23-259	N77-30237* #	c 27	NASA-CASE-MFS-23345-1			US-PATENT-CLASS-204-157.1R
		US-PATENT-CLASS-23-292			US-PATENT-APPL-SN-696989			US-PATENT-CLASS-204-158R
		US-PATENT-CLASS-424-3			US-PATENT-CLASS-106-292			US-PATENT-CLASS-204-162R
		US-PATENT-CLASS-427-4			US-PATENT-CLASS-106-296			US-PATENT-CLASS-250-527
		US-PATENT-CLASS-8-3			US-PATENT-CLASS-106-299			US-PATENT-4,045,359
		US-PATENT-CLASS-8-94.11	N77-30308* #	c 32	US-PATENT-4,039,347	N77-32279* #	c 26	NASA-CASE-LEW-12906-1
		US-PATENT-4,029,470			NASA-CASE-GSC-12017-1			US-PATENT-APPL-SN-691936
N77-28118* #	c 07	NASA-CASE-LAR-11310-1			US-PATENT-APPL-SN-645510			US-PATENT-CLASS-148-32
					US-PATENT-CLASS-325-30			US-PATENT-CLASS-75-170

- N77-32280* # c 26 NASA-CASE-LEW-12270-1
US-PATENT-APPL-SN-645507
US-PATENT-CLASS-148-32.5
US-PATENT-CLASS-75-170
US-PATENT-4,046,560
- N77-32308* # c 27 NASA-CASE-GSC-12110-1
US-PATENT-APPL-SN-682435
US-PATENT-CLASS-156-645
US-PATENT-CLASS-156-663
US-PATENT-4,046,619
- N77-32342* # c 32 NASA-CASE-NPO-13587-1
US-PATENT-APPL-SN-589119
US-PATENT-CLASS-343-10
US-PATENT-CLASS-343-100CL
US-PATENT-CLASS-343-5CM
US-PATENT-CLASS-343-5DP
US-PATENT-4,045,795
- N77-32413* # c 34 NASA-CASE-GSC-11998-1
US-PATENT-APPL-SN-579989
US-PATENT-CLASS-165-105
US-PATENT-4,046,190
- N77-32454* # c 35 NASA-CASE-LEW-12050-1
US-PATENT-APPL-SN-629457
US-PATENT-CLASS-136-202
US-PATENT-CLASS-136-236R
US-PATENT-CLASS-136-240
US-PATENT-4,045,247
- N77-32455* # c 35 NASA-CASE-NPO-13792-1
US-PATENT-APPL-SN-677351
US-PATENT-CLASS-324-57H
US-PATENT-CLASS-324-59
US-PATENT-4,045,728
- N77-32456* # c 35 NASA-CASE-GSC-12143-1
US-PATENT-APPL-SN-743249
US-PATENT-CLASS-250-288
US-PATENT-CLASS-73-421.5R
US-PATENT-4,046,012
- N77-32478* # c 36 NASA-CASE-LEW-12164-1
US-PATENT-APPL-SN-511334
US-PATENT-CLASS-350-162SF
US-PATENT-4,043,674
- N77-32499* # c 37 NASA-CASE-MSC-19535-1
US-PATENT-APPL-SN-641784
US-PATENT-CLASS-292-110
US-PATENT-4,045,063
- N77-32500* # c 37 NASA-CASE-LEW-12527-1
US-PATENT-APPL-SN-595747
US-PATENT-CLASS-290-52
US-PATENT-CLASS-308-195
US-PATENT-CLASS-308-72
US-PATENT-4,046,434
- N77-32501* # c 37 NASA-CASE-LEW-12477-1
US-PATENT-APPL-SN-595745
US-PATENT-CLASS-290-52
US-PATENT-CLASS-308-195
US-PATENT-4,046,435
- N77-32580* # c 44 NASA-CASE-NPO-13675-1
US-PATENT-APPL-SN-658132
US-PATENT-CLASS-204-157.1R
US-PATENT-CLASS-250-527
US-PATENT-4,045,315
- N77-32581* # c 44 NASA-CASE-NPO-13510-1
US-PATENT-APPL-SN-536786
US-PATENT-CLASS-126-263
US-PATENT-CLASS-165-107
US-PATENT-CLASS-165-2
US-PATENT-CLASS-62-4
US-PATENT-4,044,821
- N77-32582* # c 44 NASA-CASE-NPO-13810-1
US-PATENT-APPL-SN-681096
US-PATENT-CLASS-126-270
US-PATENT-CLASS-126-271
US-PATENT-CLASS-52-117
US-PATENT-CLASS-60-641
US-PATENT-4,044,753
- N77-32583* # c 44 NASA-CASE-NPO-13736-1
US-PATENT-APPL-SN-681017
US-PATENT-CLASS-350-295
US-PATENT-CLASS-350-320
US-PATENT-CLASS-427-130
US-PATENT-CLASS-427-47
US-PATENT-CLASS-52-2
US-PATENT-4,046,462
- N77-32721* # c 54 NASA-CASE-ARC-10756-1
US-PATENT-APPL-SN-436313
US-PATENT-CLASS-2-2.1A
US-PATENT-CLASS-214-1BC
US-PATENT-CLASS-214-1CM
US-PATENT-4,046,262
- N77-32722* # c 54 NASA-CASE-MSC-14771-1
US-PATENT-APPL-SN-688854
US-PATENT-CLASS-165-166
US-PATENT-CLASS-55-179
US-PATENT-CLASS-55-269
US-PATENT-4,046,529
- N77-32731* # c 60 NASA-CASE-GSC-11839-3
US-PATENT-APPL-SN-468614
US-PATENT-APPL-SN-657997
US-PATENT-CLASS-250-199
US-PATENT-CLASS-340-347AD
US-PATENT-CLASS-350-96R
US-PATENT-4,045,792
- N77-32919* # c 76 NASA-CASE-MFS-23001-1
US-PATENT-APPL-SN-610801
US-PATENT-CLASS-156-DIG.62
US-PATENT-CLASS-156-601
US-PATENT-CLASS-156-619
US-PATENT-CLASS-156-620
US-PATENT-4,046,617
- N78-10214* # c 24 NASA-CASE-LAR-11898-1
US-PATENT-APPL-SN-723264
US-PATENT-CLASS-428-116
US-PATENT-CLASS-428-138
US-PATENT-CLASS-428-73
US-PATENT-CLASS-428-902
US-PATENT-4,052,523
- N78-10224* # c 25 NASA-CASE-LEW-12137-1
US-PATENT-APPL-SN-672210
US-PATENT-CLASS-165-105
US-PATENT-CLASS-431-158
US-PATENT-CLASS-431-352
US-PATENT-CLASS-60-39.51R
US-PATENT-4,052,144
- N78-10225* # c 25 NASA-CASE-MSC-14831-1
US-PATENT-APPL-SN-685027
US-PATENT-CLASS-204-292
US-PATENT-CLASS-210-63R
US-PATENT-CLASS-210-71
US-PATENT-CLASS-252-472
US-PATENT-CLASS-427-229
US-PATENT-4,052,302
- N78-10375* # c 33 NASA-CASE-MSC-14916-1
US-PATENT-APPL-SN-739914
US-PATENT-CLASS-179-107R
US-PATENT-CLASS-179-175.1A
US-PATENT-CLASS-330-2
US-PATENT-4,049,930
- N78-10376* # c 33 NASA-CASE-MFS-23280-1
US-PATENT-APPL-SN-706425
US-PATENT-CLASS-318-200
US-PATENT-CLASS-318-227
US-PATENT-CLASS-318-230
US-PATENT-4,052,648
- N78-10377* # c 33 NASA-CASE-NPO-13872-1
US-PATENT-APPL-SN-742034
US-PATENT-CLASS-363-57
US-PATENT-CLASS-363-89
US-PATENT-4,052,659
- N78-10428* # c 35 NASA-CASE-MSC-14757-1
US-PATENT-APPL-SN-625734
US-PATENT-CLASS-141-197
US-PATENT-CLASS-141-4
US-PATENT-CLASS-417-225
US-PATENT-CLASS-60-560
US-PATENT-CLASS-60-574
US-PATENT-4,051,877
- N78-10429* # c 35 NASA-CASE-NPO-13772-1
US-PATENT-APPL-SN-675351
US-PATENT-CLASS-250-310
US-PATENT-CLASS-250-398
US-PATENT-4,052,614
- N78-10467* # c 37 NASA-CASE-LEW-12321-1
US-PATENT-APPL-SN-596641
US-PATENT-CLASS-123-122E
US-PATENT-CLASS-123-41.33
US-PATENT-CLASS-137-104
US-PATENT-CLASS-415-180
US-PATENT-CLASS-60-39.28R
US-PATENT-CLASS-60-39.66
US-PATENT-4,041,697
- N78-10468* # c 37 NASA-CASE-LEW-12313-1
US-PATENT-APPL-SN-581751
US-PATENT-CLASS-416-135
US-PATENT-CLASS-416-141
US-PATENT-CLASS-416-220R
US-PATENT-CLASS-416-248
US-PATENT-4,047,840
- N78-10493* # c 39 NASA-CASE-NPO-13731-1
US-PATENT-APPL-SN-653682
US-PATENT-CLASS-73-15.6
US-PATENT-CLASS-73-91
US-PATENT-4,030,348
- N78-10529* # c 43 NASA-CASE-GSC-11976-1
US-PATENT-APPL-SN-677352
US-PATENT-CLASS-324-58.5B
US-PATENT-4,052,666
- N78-10554* # c 44 NASA-CASE-NPO-13734-1
US-PATENT-APPL-SN-680939
US-PATENT-CLASS-126-271
US-PATENT-CLASS-237-1A
US-PATENT-CLASS-350-293
- N78-10686* # c 52 NASA-CASE-ARC-10916-1
US-PATENT-APPL-SN-701448
US-PATENT-CLASS-3-1.2
US-PATENT-CLASS-3-15
US-PATENT-CLASS-3-29
US-PATENT-4,051,558
- N78-10709* # c 60 NASA-CASE-GSC-11839-2
US-PATENT-APPL-SN-468614
US-PATENT-APPL-SN-657996
US-PATENT-CLASS-340-173LM
US-PATENT-CLASS-350-96R
US-PATENT-CLASS-356-169
US-PATENT-4,052,705
- N78-10837* # c 71 NASA-CASE-NPO-13802-1
US-PATENT-APPL-SN-658193
US-PATENT-CLASS-264-23
US-PATENT-CLASS-264-345
US-PATENT-CLASS-65-DIG.4
US-PATENT-CLASS-65-DIG.7
US-PATENT-CLASS-65-2
US-PATENT-CLASS-65-32
US-PATENT-CLASS-65-4B
US-PATENT-CLASS-65-87
US-PATENT-CLASS-73-505
US-PATENT-4,052,181
- N78-12390* # c 35 NASA-CASE-MSC-14773-1
US-PATENT-APPL-SN-612966
US-PATENT-CLASS-137-197
US-PATENT-CLASS-210-222
US-PATENT-CLASS-55-100
US-PATENT-CLASS-55-26-9
US-PATENT-CLASS-55-3
US-PATENT-CLASS-62-50
US-PATENT-CLASS-62-514R
US-PATENT-4,027,494
- N78-13320* # c 33 NASA-CASE-MFS-23274-1
US-PATENT-APPL-SN-714158
US-PATENT-CLASS-307-306
US-PATENT-CLASS-338-32S
US-PATENT-CLASS-357-4
US-PATENT-CLASS-357-5
US-PATENT-CLASS-357-73
US-PATENT-4,055,847
- N78-13400* # c 35 NASA-CASE-ARC-10639-1
US-PATENT-APPL-SN-643043
US-PATENT-CLASS-250-336
US-PATENT-CLASS-250-343
US-PATENT-CLASS-250-351
US-PATENT-4,055,764
- N78-13436* # c 37 NASA-CASE-LEW-12083-1
US-PATENT-APPL-SN-659882
US-PATENT-CLASS-250-499
US-PATENT-CLASS-313-61S
US-PATENT-CLASS-427-124
US-PATENT-CLASS-427-126
US-PATENT-CLASS-427-248E
US-PATENT-CLASS-427-250
US-PATENT-CLASS-427-255
US-PATENT-4,055,686
- N78-13526* # c 44 NASA-CASE-NPO-13482-1
US-PATENT-APPL-SN-495021
US-PATENT-CLASS-136-89SJ
US-PATENT-CLASS-357-15
US-PATENT-CLASS-357-16
US-PATENT-CLASS-357-30
US-PATENT-4,053,918
- N78-13874* # c 74 NASA-CASE-GSC-12088-1
US-PATENT-APPL-SN-648700
US-PATENT-CLASS-356-103
US-PATENT-CLASS-356-104
US-PATENT-4,053,229
- N78-14096* # c 24 NASA-CASE-ARC-11042-1
US-PATENT-APPL-SN-734902
US-PATENT-CLASS-252-8.1
US-PATENT-CLASS-60-836
US-PATENT-4,061,579
- N78-14104* # c 25 NASA-CASE-ARC-10991-1
US-PATENT-APPL-SN-744574
US-PATENT-CLASS-204-180G
US-PATENT-CLASS-204-299R
US-PATENT-4,061,561
- N78-14164* # c 27 NASA-CASE-NPO-13867-1
US-PATENT-APPL-SN-692284
US-PATENT-CLASS-260-DIG.15
US-PATENT-CLASS-427-164
US-PATENT-CLASS-428-411
US-PATENT-CLASS-428-522
US-PATENT-CLASS-428-922
US-PATENT-CLASS-96-87A
US-PATENT-4,061,834
- N78-14364* # c 35 NASA-CASE-ARC-11046-1
US-PATENT-APPL-SN-712419
US-PATENT-CLASS-340-27SS

		US-PATENT-CLASS-73-180	US-PATENT-CLASS-350-1	US-PATENT-CLASS-260-77.5AT
		US-PATENT-4,061,029	US-PATENT-CLASS-428-334	US-PATENT-CLASS-260-77.55P
N78-14380* #	c 36	NASA-CASE-MFS-19259-1	US-PATENT-CLASS-428-336	US-PATENT-4,069,212
		US-PATENT-APPL-SN-732630	US-PATENT-CLASS-428-426	N78-17214* #
		US-PATENT-CLASS-250-571	US-PATENT-CLASS-428-428	c 27
		US-PATENT-CLASS-356-159	US-PATENT-4,062,996	NASA-CASE-NPO-10557
		US-PATENT-CLASS-356-160		US-PATENT-APPL-SN-759220
		US-PATENT-CLASS-356-199		US-PATENT-CLASS-260-67
		US-PATENT-4,061,427		US-PATENT-3,538,053
N78-14452* #	c 43	NASA-CASE-LEW-12217-1	N78-15880* #	
		US-PATENT-APPL-SN-763753	c 74	NASA-CASE-MFS-22409-2
		US-PATENT-CLASS-166-248		US-PATENT-APPL-SN-445398
		US-PATENT-CLASS-166-259		US-PATENT-APPL-SN-636193
		US-PATENT-4,061,190		US-PATENT-CLASS-250-272
N78-14625* #	c 44	NASA-CASE-LEW-12039-1		US-PATENT-CLASS-250-320
		US-PATENT-APPL-SN-687822		US-PATENT-4,063,088
		US-PATENT-CLASS-320-15		N78-16369* #
		US-PATENT-CLASS-320-18		c 37
		US-PATENT-CLASS-320-40		NASA-CASE-NPO-13619-1
		US-PATENT-CLASS-320-6		US-PATENT-APPL-SN-572990
		US-PATENT-4,061,955		US-PATENT-CLASS-185-38
N78-14773* #	c 52	NASA-CASE-LEW-12668-1		US-PATENT-CLASS-74-81
		US-PATENT-APPL-SN-677353		US-PATENT-CLASS-74-83
		US-PATENT-CLASS-128-305		US-PATENT-4,062,245
		US-PATENT-4,061,146		N78-16387* #
N78-14784* #	c 54	NASA-CASE-MSC-14632-1		c 39
		US-PATENT-APPL-SN-571459		NASA-CASE-LAR-11490-1
		US-PATENT-CLASS-204-180P		US-PATENT-APPL-SN-707125
		US-PATENT-CLASS-204-301		US-PATENT-CLASS-358-106
		US-PATENT-CLASS-210-192		US-PATENT-4,063,282
		US-PATENT-CLASS-210-96M		N78-17031* #
		US-PATENT-CLASS-23-253A		c 04
		US-PATENT-4,061,570		NASA-CASE-XNP-01458
N78-14867* #	c 71	NASA-CASE-LAR-12106-1		US-PATENT-APPL-SN-160093
		US-PATENT-APPL-SN-740156		US-PATENT-CLASS-235-70
		US-PATENT-CLASS-330-52		US-PATENT-3,229,905
		US-PATENT-CLASS-73-646		N78-17055* #
		US-PATENT-4,061,041		c 07
N78-14889* #	c 74	NASA-CASE-KSC-11047-1		NASA-CASE-LEW-12317-1
		US-PATENT-APPL-SN-715485		US-PATENT-APPL-SN-581750
		US-PATENT-CLASS-179-91R		US-PATENT-CLASS-60-204
		US-PATENT-CLASS-250-199		US-PATENT-CLASS-60-226R
		US-PATENT-CLASS-358-142		US-PATENT-CLASS-60-271
		US-PATENT-4,061,577		US-PATENT-4,068,469
N78-15180* #	c 24	NASA-CASE-ARC-10913-1		N78-17056* #
		US-PATENT-APPL-SN-698646		c 07
		US-PATENT-CLASS-106-15FP		NASA-CASE-LEW-12390-1
		US-PATENT-CLASS-260-2.5N		US-PATENT-APPL-SN-522109
		US-PATENT-CLASS-260-2.5R		US-PATENT-CLASS-60-226R
		US-PATENT-CLASS-428-117		US-PATENT-CLASS-74-385
		US-PATENT-CLASS-428-290		US-PATENT-CLASS-74-417
		US-PATENT-CLASS-428-71		US-PATENT-4,068,470
		US-PATENT-CLASS-428-73		N78-17140* #
		US-PATENT-CLASS-428-920		c 17
		US-PATENT-4,061,812		NASA-CASE-HQN-10880-1
N78-15210* #	c 25	NASA-CASE-LAR-12046-1		US-PATENT-APPL-SN-595254
		US-PATENT-APPL-SN-755310		US-PATENT-CLASS-325-118
		US-PATENT-CLASS-23-230PC		US-PATENT-CLASS-325-66
		US-PATENT-CLASS-23-232E		US-PATENT-CLASS-343-112R
		US-PATENT-CLASS-23-232R		US-PATENT-CLASS-343-225
		US-PATENT-CLASS-73-23		US-PATENT-CLASS-362-269
		US-PATENT-4,062,850		US-PATENT-4,067,015
N78-15276* #	c 27	NASA-CASE-LEW-12053-1		N78-17149* #
		US-PATENT-APPL-SN-513613		c 24
		US-PATENT-CLASS-260-2R		NASA-CASE-LAR-11898-2
		US-PATENT-CLASS-526-193		US-PATENT-APPL-SN-723264
		US-PATENT-CLASS-526-225		US-PATENT-APPL-SN-799024
		US-PATENT-CLASS-544-193		US-PATENT-CLASS-156-245
		US-PATENT-4,061,856		US-PATENT-CLASS-156-285
N78-15323* #	c 32	NASA-CASE-NPO-13836-1		US-PATENT-CLASS-156-289
		US-PATENT-APPL-SN-699002		US-PATENT-CLASS-428-116
		US-PATENT-CLASS-178-69.1		US-PATENT-CLASS-428-902
		US-PATENT-CLASS-325-58		US-PATENT-4,063,981
		US-PATENT-CLASS-325-63		N78-17150* #
		US-PATENT-CLASS-343-179		c 24
		US-PATENT-4,061,974		NASA-CASE-LAR-12019-1
N78-15461* #	c 35	NASA-CASE-NPO-13808-1		US-PATENT-APPL-SN-792067
		US-PATENT-APPL-SN-675328		US-PATENT-CLASS-156-154
		US-PATENT-CLASS-250-322		US-PATENT-CLASS-156-264
		US-PATENT-CLASS-250-416TV		US-PATENT-CLASS-156-285
		US-PATENT-4,063,092		US-PATENT-CLASS-156-286
N78-15512* #	c 39	NASA-CASE-LAR-12016-1		US-PATENT-CLASS-156-289
		US-PATENT-APPL-SN-754066		US-PATENT-CLASS-156-300
		US-PATENT-CLASS-73-579		US-PATENT-CLASS-156-306
		US-PATENT-CLASS-73-630		US-PATENT-CLASS-156-311
		US-PATENT-CLASS-73-88F		US-PATENT-CLASS-264-157
		US-PATENT-4,062,227		US-PATENT-CLASS-264-90
N78-15560* #	c 44	NASA-CASE-LAR-12009-1		US-PATENT-CLASS-428-294
		US-PATENT-APPL-SN-717320		US-PATENT-CLASS-428-302
		US-PATENT-CLASS-126-270		US-PATENT-4,065,340
		US-PATENT-CLASS-126-400		N78-17205* #
		US-PATENT-CLASS-237-1A		c 27
		US-PATENT-4,062,347		NASA-CASE-LAR-12181-1
N78-15879* #	c 74	NASA-CASE-LAR-10385-3		US-PATENT-APPL-SN-532784
		US-PATENT-APPL-SN-370999		US-PATENT-APPL-SN-734901
		US-PATENT-APPL-SN-38816		US-PATENT-CLASS-156-309
				US-PATENT-CLASS-156-331
				US-PATENT-CLASS-260-30.4N
				US-PATENT-CLASS-260-32.2R
				US-PATENT-CLASS-260-32.6NT
				US-PATENT-CLASS-260-33.4R
				US-PATENT-4,065,345
				N78-17206* #
				c 27
				NASA-CASE-LAR-11902-1
				US-PATENT-APPL-SN-672695
				US-PATENT-CLASS-106-43
				US-PATENT-CLASS-60-200A
				US-PATENT-CLASS-75-229
				US-PATENT-CLASS-75-239
				US-PATENT-CLASS-75-241
				US-PATENT-4,067,742
				N78-17213* #
				c 27
				NASA-CASE-MSC-14331-2
				US-PATENT-APPL-SN-657907
				US-PATENT-CLASS-260-75NH
				US-PATENT-CLASS-260-75NK
				US-PATENT-CLASS-260-75NT
				US-PATENT-CLASS-260-77.5AM
				US-PATENT-CLASS-260-77.5AN
				US-PATENT-CLASS-260-77.5AP
				N78-17384* #
				c 37
				NASA-CASE-LEW-12916-1

			US-PATENT-APPL-SN-583056				US-PATENT-4,055,041				US-PATENT-APPL-SN-560891
			US-PATENT-CLASS-60-261		N78-18067* #	c 07	NASA-CASE-LEW-12917-1				US-PATENT-CLASS-176-39
			US-PATENT-CLASS-60-262				US-PATENT-APPL-SN-583055				US-PATENT-CLASS-330-4.3
			US-PATENT-CLASS-60-271				US-PATENT-CLASS-60-204				US-PATENT-4,075,057
			US-PATENT-4,064,692				US-PATENT-CLASS-60-262		N78-24275* #	c 20	NASA-CASE-LAR-12018-1
N78-17385* #	c 37		NASA-CASE-WOO-00625		N78-18083* #	c 09	NASA-CASE-ARC-10903-1				US-PATENT-APPL-SN-678520
			US-PATENT-APPL-SN-362278				US-PATENT-APPL-SN-623536				US-PATENT-CLASS-102-39
			US-PATENT-CLASS-74-800				US-PATENT-CLASS-35-12N				US-PATENT-CLASS-102-49.7
N78-17386* #	c 37		US-PATENT-3,306,134				US-PATENT-CLASS-358-104				US-PATENT-CLASS-102-70R
			NASA-CASE-NPO-10151				US-PATENT-4,055,004				US-PATENT-CLASS-285-192
			US-PATENT-APPL-SN-365244		N78-18182* #	c 26	NASA-CASE-LEW-12095-1				US-PATENT-CLASS-60-39.82E
			US-PATENT-CLASS-328-233				US-PATENT-APPL-SN-651009		N78-24290* #	c 24	US-PATENT-4,080,901
			US-PATENT-3,387,218				US-PATENT-CLASS-75-124				NASA-CASE-MFS-23506-1
N78-17395* #	c 38		NASA-CASE-NPO-13283				US-PATENT-CLASS-75-126D				US-PATENT-APPL-SN-760809
			US-PATENT-APPL-SN-401225				US-PATENT-CLASS-75-126F				US-PATENT-CLASS-260-2.5AK
			US-PATENT-CLASS-235-151.3				US-PATENT-CLASS-75-128G				US-PATENT-CLASS-260-2.5AP
			US-PATENT-CLASS-235-156				US-PATENT-CLASS-75-128T				US-PATENT-CLASS-260-2.5B
			US-PATENT-CLASS-235-181				US-PATENT-4,055,416				US-PATENT-CLASS-260-2.5BE
			US-PATENT-CLASS-250-572		N78-18183* #	c 26	NASA-CASE-LEW-12905-1				US-PATENT-CLASS-260-2.5EP
			US-PATENT-CLASS-356-237				US-PATENT-APPL-SN-684171				US-PATENT-CLASS-260-2.5FP
			US-PATENT-3,908,118				US-PATENT-CLASS-148-32				US-PATENT-CLASS-260-29.1R
N78-17396* #	c 38		NASA-CASE-NPO-13282				US-PATENT-CLASS-148-32.5				US-PATENT-CLASS-260-37EP
			US-PATENT-APPL-SN-401224				US-PATENT-CLASS-75-170				US-PATENT-CLASS-427-427
			US-PATENT-CLASS-235-151.3				US-PATENT-4,055,447		N78-24333* #	c 26	US-PATENT-4,077,921
			US-PATENT-CLASS-235-156		N78-18308* #	c 33	NASA-CASE-FRC-10090-1				NASA-CASE-MSC-19693-1
			US-PATENT-CLASS-250-563				US-PATENT-APPL-SN-737974				US-PATENT-APPL-SN-708771
			US-PATENT-CLASS-250-572				US-PATENT-CLASS-307-265				US-PATENT-CLASS-148-12.7A
			US-PATENT-CLASS-356-165				US-PATENT-CLASS-307-350				US-PATENT-CLASS-148-125
			US-PATENT-CLASS-356-237				US-PATENT-CLASS-307-360				US-PATENT-4,077,813
			US-PATENT-3,909,602				US-PATENT-CLASS-328-150		N78-24365* #	c 28	NASA-CASE-LEW-12081-1
N78-17460* #	c 44		NASA-CASE-NPO-13579-1				US-PATENT-4,055,777				US-PATENT-APPL-SN-676432
			US-PATENT-APPL-SN-598969		N78-18355* #	c 34	NASA-CASE-LEW-12554-1				US-PATENT-CLASS-250-492R
			US-PATENT-CLASS-126-263				US-PATENT-APPL-SN-686449				US-PATENT-CLASS-34-15
			US-PATENT-CLASS-126-271				US-PATENT-CLASS-427-34				US-PATENT-CLASS-423-648R
			US-PATENT-CLASS-165-2				US-PATENT-CLASS-427-405				US-PATENT-CLASS-62-100
			US-PATENT-CLASS-237-1A				US-PATENT-CLASS-427-419A				US-PATENT-CLASS-62-48
			US-PATENT-CLASS-60-641				US-PATENT-CLASS-427-423		N78-24391* #	c 32	US-PATENT-4,077,788
			US-PATENT-CLASS-62-4				US-PATENT-CLASS-428-633				NASA-CASE-NPO-13886-1
			US-PATENT-4,065,053				US-PATENT-CLASS-428-652				US-PATENT-APPL-SN-730045
N78-17675* #	c 54		NASA-CASE-ARC-11101-1				US-PATENT-CLASS-428-667				US-PATENT-CLASS-307-151
			US-PATENT-APPL-SN-753976				US-PATENT-4,055,705				US-PATENT-CLASS-343-700MS
			US-PATENT-CLASS-2-2.1A		N78-18390* #	c 35	NASA-CASE-MFS-23008-1				US-PATENT-CLASS-361-395
			US-PATENT-CLASS-36-119				US-PATENT-APPL-SN-665734				US-PATENT-4,079,268
			US-PATENT-CLASS-36-92				US-PATENT-CLASS-73-DIG.11		N78-24515* #	c 35	NASA-CASE-LAR-11201-1
			US-PATENT-4,064,642				US-PATENT-CLASS-73-28				US-PATENT-APPL-SN-788705
N78-17676* #	c 54		NASA-CASE-MFS-23311-1				US-PATENT-CLASS-73-432PS				US-PATENT-CLASS-416-144
			US-PATENT-APPL-SN-708800				US-PATENT-CLASS-73-432R				US-PATENT-CLASS-416-61
			US-PATENT-CLASS-214-1CM				US-PATENT-4,055,089				US-PATENT-CLASS-73-456
			US-PATENT-CLASS-3-12.5				NASA-CASE-NPO-13687-1				US-PATENT-CLASS-73-756
			US-PATENT-CLASS-74-515E		N78-18391* #	c 35	US-PATENT-APPL-SN-641803				US-PATENT-4,082,001
			US-PATENT-4,068,763				US-PATENT-CLASS-356-106S		N78-24544* #	c 37	NASA-CASE-MSC-16000-1
			NASA-CASE-MSC-13054				US-PATENT-CLASS-356-110				US-PATENT-APPL-SN-739915
			US-PATENT-APPL-SN-585217				US-PATENT-4,053,231				US-PATENT-CLASS-29-156.8R
			US-PATENT-CLASS-2-161		N78-18395* #	c 35	NASA-CASE-NPO-13999-1				US-PATENT-CLASS-29-23.5
			US-PATENT-3,490,074				US-PATENT-APPL-SN-858596				US-PATENT-CLASS-29-244
N78-17678* #	c 54		NASA-CASE-XMS-04670				US-PATENT-CLASS-2-2.1				US-PATENT-CLASS-29-252
			US-PATENT-APPL-SN-535169		N78-18410* #	c 36	US-PATENT-APPL-SN-13801-1				US-PATENT-4,078,290
			US-PATENT-CLASS-2-2.1				US-PATENT-APPL-SN-708796		N78-24545* #	c 37	NASA-CASE-LEW-12785-1
			US-PATENT-3,488,771				US-PATENT-CLASS-330-4				US-PATENT-APPL-SN-739909
N78-17679* #	c 54		NASA-CASE-XMS-04928				US-PATENT-CLASS-332-7.5				US-PATENT-CLASS-60-39.28R
			US-PATENT-APPL-SN-584914				US-PATENT-4,055,810				US-PATENT-4,078,378
			US-PATENT-CLASS-98-1		N78-18761* #	c 54	NASA-CASE-MSC-10954-1				N78-24608* #
			US-PATENT-3,487,765				US-PATENT-APPL-SN-529884				c 44
N78-17680* #	c 54		NASA-CASE-XMS-09653				US-PATENT-CLASS-2-2.1				NASA-CASE-GSC-12030-1
			US-PATENT-APPL-SN-538863				US-PATENT-3,514,785				US-PATENT-APPL-SN-710035
			US-PATENT-CLASS-2-6		N78-18905* #	c 74	NASA-CASE-GSC-12010-1				US-PATENT-CLASS-308-10
			US-PATENT-3,359,568				US-PATENT-APPL-SN-680958				US-PATENT-CLASS-310-153
N78-17691* #	c 60		NASA-CASE-GSC-12044-1				US-PATENT-CLASS-250-213VT				US-PATENT-CLASS-310-154
			US-PATENT-APPL-SN-631341				US-PATENT-CLASS-313-442				US-PATENT-CLASS-310-178
			US-PATENT-CLASS-340-347DU				US-PATENT-CLASS-313-94				US-PATENT-CLASS-310-269
			US-PATENT-4,069,478				US-PATENT-4,070,574				US-PATENT-4,077,678
N78-17865* #	c 74		NASA-CASE-MSC-12618-1		N78-19302* #	c 27	NASA-CASE-NPO-13690-1		N78-24609* #	c 44	NASA-CASE-GSC-12022-2
			US-PATENT-APPL-SN-651007				US-PATENT-APPL-SN-633876				US-PATENT-APPL-SN-693074
			US-PATENT-CLASS-350-159				US-PATENT-CLASS-106-39.5				US-PATENT-CLASS-136-89SG
			US-PATENT-CLASS-358-225				US-PATENT-CLASS-106-65				US-PATENT-CLASS-148-174
			US-PATENT-CLASS-358-41				US-PATENT-CLASS-106-73.5				US-PATENT-CLASS-29-572
			US-PATENT-CLASS-358-55				US-PATENT-4,072,532				US-PATENT-CLASS-357-30
			US-PATENT-4,067,043		N78-19465* #	c 35	NASA-CASE-ARC-10896-1				US-PATENT-CLASS-357-59
N78-17866* #	c 74		NASA-CASE-LAR-11711-1				US-PATENT-APPL-SN-615030				US-PATENT-CLASS-427-113
			US-PATENT-APPL-SN-674195				US-PATENT-CLASS-73-23				US-PATENT-CLASS-427-248J
			US-PATENT-CLASS-250-201				US-PATENT-4,055,072				US-PATENT-CLASS-427-249
			US-PATENT-CLASS-350-204		N78-19466* #	c 35	NASA-CASE-ARC-10820-1				US-PATENT-CLASS-427-86
			US-PATENT-CLASS-356-28				US-PATENT-APPL-SN-620675		N78-24950* #	c 76	US-PATENT-4,077,818
			US-PATENT-4,063,814				US-PATENT-CLASS-119-51.11				NASA-CASE-MFS-23315-1
N78-17867* #	c 74		NASA-CASE-NPO-13759-1				US-PATENT-CLASS-119-72.5				US-PATENT-APPL-SN-724874
			US-PATENT-APPL-SN-718266				US-PATENT-CLASS-137-624.11				US-PATENT-CLASS-250-277CH
			US-PATENT-CLASS-250-344				US-PATENT-4,055,147				US-PATENT-CLASS-250-280
			US-PATENT-CLASS-356-204		N78-19599* #	c 44	NASA-CASE-LEW-12159-1				US-PATENT-4,078,175
			US-PATENT-CLASS-356-246				US-PATENT-APPL-SN-643041		N78-25089* #	c 07	NASA-CASE-LEW-12452-1
			US-PATENT-4,067,653				US-PATENT-CLASS-126-270				US-PATENT-APPL-SN-695513
N78-18066* #	c 07		NASA-CASE-LEW-12389-2				US-PATENT-CLASS-427-160				US-PATENT-CLASS-60-226R
			US-PATENT-APPL-SN-628221				US-PATENT-CLASS-428-652				US-PATENT-CLASS-60-39.52
			US-PATENT-CLASS-244-53A				US-PATENT-CLASS-428-667				US-PATENT-4,083,181
			US-PATENT-CLASS-244-54				US-PATENT-CLASS-428-679		N78-25090* #	c 07	NASA-CASE-LEW-11855-1
			US-PATENT-CLASS-60-226R				US-PATENT-4,055,707				US-PATENT-APPL-SN-672222
			US-PATENT-CLASS-60-39.31		N78-19920* #	c 73	NASA-CASE-HQN-10841-1				US-PATENT-CLASS-277-134
											US-PATENT-CLASS-277-25
											US-PATENT-4,084,825

ACCESSION NUMBER INDEX

N78-31735

N78-25119* #	c 15	NASA-CASE-MFS-23564-1 US-PATENT-APPL-SN-739908 US-PATENT-CLASS-244-161 US-PATENT-CLASS-244-167 US-PATENT-4,083,520	N78-27176* #	c 20	NASA-CASE-MFS-23642-2 US-PATENT-APPL-SN-923758	N78-28594* #	c 44	NASA-CASE-NPO-13821-1 US-PATENT-APPL-SN-688852 US-PATENT-CLASS-343-113R US-PATENT-CLASS-343-119 US-PATENT-CLASS-343-16M US-PATENT-4,088,999
N78-25148* #	c 25	NASA-CASE-LEW-12465-1 US-PATENT-APPL-SN-692413 US-PATENT-CLASS-250-423P US-PATENT-CLASS-250-528 US-PATENT-CLASS-250-531 US-PATENT-CLASS-55-100 US-PATENT-CLASS-55-101 US-PATENT-CLASS-55-2 US-PATENT-4,085,332	N78-27180* #	c 24	NASA-CASE-ARC-11043-1 US-PATENT-APPL-SN-753964 US-PATENT-CLASS-260-33.6EP US-PATENT-CLASS-260-33.6PQ US-PATENT-CLASS-260-33.8EP US-PATENT-CLASS-260-33.8UA US-PATENT-CLASS-260-37EP US-PATENT-CLASS-260-42.43 US-PATENT-CLASS-260-45.7R US-PATENT-CLASS-260-45.75W US-PATENT-CLASS-260-45.85N US-PATENT-CLASS-260-45.9R US-PATENT-CLASS-427-386 US-PATENT-CLASS-427-388A US-PATENT-CLASS-428-313 US-PATENT-CLASS-428-332 US-PATENT-CLASS-428-921 US-PATENT-4,088,806	N78-28913* #	c 73	NASA-CASE-NPO-13114-2 US-PATENT-APPL-SN-294738 US-PATENT-APPL-SN-634214 US-PATENT-CLASS-176-22 US-PATENT-CLASS-176-33 US-PATENT-CLASS-176-39 US-PATENT-4,085,004
N78-25256* #	c 31	NASA-CASE-NPO-13839-1 US-PATENT-APPL-SN-712981 US-PATENT-CLASS-250-332 US-PATENT-CLASS-313-22 US-PATENT-CLASS-62-514R US-PATENT-4,077,231	N78-27184* #	c 24	NASA-CASE-ARC-11040-2 US-PATENT-APPL-SN-920878	N78-29421* #	c 35	NASA-CASE-NPO-11954-1 US-PATENT-APPL-SN-229287 US-PATENT-CLASS-179-100.2CH US-PATENT-CLASS-340-174.1M US-PATENT-CLASS-340-174YC US-PATENT-CLASS-350-151 US-PATENT-3,775,570
N78-25319* #	c 33	NASA-CASE-NPO-13909-1 US-PATENT-APPL-SN-744477 US-PATENT-CLASS-324-57DE US-PATENT-CLASS-324-57SS US-PATENT-CLASS-324-58A US-PATENT-4,084,132	N78-27226* #	c 25	NASA-CASE-LEW-10518-3 US-PATENT-APPL-SN-394207 US-PATENT-CLASS-176-11 US-PATENT-CLASS-176-16 US-PATENT-CLASS-250-400 US-PATENT-CLASS-250-429 US-PATENT-CLASS-250-492B US-PATENT-4,088,532	N78-31129* #	c 09	NASA-CASE-MSC-19706-1 US-PATENT-APPL-SN-767911 US-PATENT-CLASS-239-265.25 US-PATENT-CLASS-73-147 US-PATENT-4,091,665
N78-25350* #	c 34	NASA-CASE-MSC-19568-1 US-PATENT-APPL-SN-681000 US-PATENT-CLASS-428-913 US-PATENT-CLASS-428-93 US-PATENT-CLASS-428-94 US-PATENT-CLASS-428-95 US-PATENT-CLASS-428-96 US-PATENT-CLASS-428-97 US-PATENT-CLASS-49-DIG.1 US-PATENT-CLASS-49-479 US-PATENT-CLASS-49-485 US-PATENT-4,078,110	N78-27326* #	c 33	NASA-CASE-MFS-23312-1 US-PATENT-APPL-SN-699012 US-PATENT-CLASS-29-571 US-PATENT-CLASS-29-578 US-PATENT-CLASS-357-91 US-PATENT-4,087,902	N78-31232* #	c 27	NASA-CASE-ARC-11008-1 US-PATENT-APPL-SN-708951 US-PATENT-CLASS-260-2.5N US-PATENT-CLASS-260-47CP US-PATENT-CLASS-260-63N US-PATENT-CLASS-260-78.41 US-PATENT-4,092,274
N78-25351* #	c 34	NASA-CASE-LEW-12718-1 US-PATENT-APPL-SN-779428 US-PATENT-CLASS-137-484.2 US-PATENT-CLASS-137-501 US-PATENT-CLASS-137-505.16 US-PATENT-4,084,612	N78-27357* #	c 34	NASA-CASE-LEW-11877-1 US-PATENT-APPL-SN-708660 US-PATENT-CLASS-431-10 US-PATENT-CLASS-431-328 US-PATENT-CLASS-431-7 US-PATENT-CLASS-60-39.65 US-PATENT-CLASS-60-39.69R US-PATENT-4,087,962	N78-31233* #	c 27	NASA-CASE-ARC-11057-1 US-PATENT-APPL-SN-807762 US-PATENT-CLASS-350-165 US-PATENT-CLASS-350-175NG US-PATENT-CLASS-427-164 US-PATENT-CLASS-427-40 US-PATENT-CLASS-427-41 US-PATENT-CLASS-428-411 US-PATENT-CLASS-428-412 US-PATENT-CLASS-428-422 US-PATENT-CLASS-428-447 US-PATENT-CLASS-428-515 US-PATENT-CLASS-428-523 US-PATENT-CLASS-428-538 US-PATENT-4,091,166
N78-25391* #	c 35	NASA-CASE-NPO-13948-1 US-PATENT-APPL-SN-752748 US-PATENT-CLASS-204-195W US-PATENT-CLASS-73-336.5 US-PATENT-4,083,765	N78-27384* #	c 35	NASA-CASE-LAR-11973-1 US-PATENT-APPL-SN-821681 US-PATENT-CLASS-73-170A US-PATENT-CLASS-73-425.4R US-PATENT-CLASS-73-61R US-PATENT-4,089,209	N78-31255* #	c 28	NASA-CASE-NPO-14103-1 US-PATENT-APPL-SN-797210 US-PATENT-CLASS-149-105 US-PATENT-CLASS-149-111 US-PATENT-CLASS-149-19.4 US-PATENT-CLASS-149-19.8 US-PATENT-CLASS-149-88 US-PATENT-CLASS-149-92 US-PATENT-CLASS-149-93 US-PATENT-4,092,188
N78-25426* #	c 37	NASA-CASE-MSC-12731-1 US-PATENT-APPL-SN-690816 US-PATENT-CLASS-137-505.25 US-PATENT-CLASS-137-625.3 US-PATENT-CLASS-137-625.38 US-PATENT-4,083,380	N78-27402* #	c 36	NASA-CASE-NPO-13945-1 US-PATENT-APPL-SN-704180 US-PATENT-CLASS-331-94.5G US-PATENT-CLASS-331-94.5P US-PATENT-CLASS-331-94.5PE US-PATENT-4,088,965	N78-31321* #	c 32	NASA-CASE-NPO-14022-1 US-PATENT-APPL-SN-780728 US-PATENT-CLASS-343-781CA US-PATENT-CLASS-343-782 US-PATENT-CLASS-343-837 US-PATENT-4,092,648
N78-25527* #	c 44	NASA-CASE-LEW-12552-1 US-PATENT-APPL-SN-770869 US-PATENT-CLASS-136-89CC US-PATENT-CLASS-29-572 US-PATENT-CLASS-357-30 US-PATENT-CLASS-357-65 US-PATENT-CLASS-357-67 US-PATENT-CLASS-427-261 US-PATENT-CLASS-427-75 US-PATENT-4,082,569	N78-27423* #	c 37	NASA-CASE-MSC-16270-1 US-PATENT-APPL-SN-837260 US-PATENT-CLASS-269-21 US-PATENT-CLASS-269-266 US-PATENT-4,088,312	N78-31426* #	c 37	NASA-CASE-GSC-11883-2 US-PATENT-APPL-SN-596787 US-PATENT-APPL-SN-747675 US-PATENT-CLASS-60-527 US-PATENT-CLASS-74-100R US-PATENT-4,010,455 US-PATENT-4,092,874
N78-25528* #	c 44	NASA-CASE-LEW-12185-1 US-PATENT-APPL-SN-746269 US-PATENT-CLASS-136-89H US-PATENT-CLASS-136-89P US-PATENT-CLASS-29-572 US-PATENT-CLASS-29-628 US-PATENT-4,083,097	N78-27424* #	c 37	NASA-CASE-LAR-11889-2 US-PATENT-APPL-SN-662182 US-PATENT-APPL-SN-807703 US-PATENT-CLASS-308-10 US-PATENT-CLASS-73-178R US-PATENT-4,088,018	N78-31525* #	c 44	NASA-CASE-NPO-13581-2 US-PATENT-APPL-SN-590975 US-PATENT-APPL-SN-811815 US-PATENT-CLASS-126-271 US-PATENT-CLASS-237-1A US-PATENT-4,091,800
N78-25529* #	c 44	NASA-CASE-LEW-12541-1 US-PATENT-APPL-SN-790637 US-PATENT-CLASS-136-89CC US-PATENT-CLASS-136-89H US-PATENT-CLASS-136-89P US-PATENT-CLASS-156-633 US-PATENT-CLASS-29-572 US-PATENT-4,084,985	N78-27425* #	c 37	NASA-CASE-ARC-10981-1 US-PATENT-APPL-SN-738218 US-PATENT-CLASS-248-178 US-PATENT-CLASS-248-186 US-PATENT-4,088,291	N78-31526* #	c 44	NASA-CASE-NPO-13813-1 NASA-CASE-NPO-13914-1 US-PATENT-APPL-SN-765139 US-PATENT-CLASS-126-270 US-PATENT-CLASS-126-271 US-PATENT-CLASS-350-299 US-PATENT-4,091,798
N78-25530* #	c 44	NASA-CASE-LEW-12649-1 US-PATENT-APPL-SN-720521 US-PATENT-CLASS-427-385B US-PATENT-CLASS-427-385C US-PATENT-CLASS-429-254 US-PATENT-4,085,241	N78-27733* #	c 51	NASA-CASE-ARC-10917-1 US-PATENT-APPL-SN-672223 US-PATENT-CLASS-119-29 US-PATENT-4,088,094	N78-31527* #	c 44	NASA-CASE-NPO-13937-1 US-PATENT-APPL-SN-718137 US-PATENT-CLASS-201-17 US-PATENT-CLASS-44-1R US-PATENT-CLASS-44-2 US-PATENT-4,081,250
N78-25531* #	c 44	NASA-CASE-MFS-23270-1 US-PATENT-APPL-SN-744573 US-PATENT-CLASS-320-13 US-PATENT-CLASS-320-15 US-PATENT-CLASS-320-32 US-PATENT-CLASS-320-39 US-PATENT-CLASS-320-9 US-PATENT-4,084,124	N78-27904* #	c 74	NASA-CASE-LAR-11869-1 US-PATENT-APPL-SN-740155 US-PATENT-CLASS-356-120 US-PATENT-CLASS-356-167 US-PATENT-4,088,408	N78-31735* #	c 54	NASA-CASE-ARC-11058-1 US-PATENT-APPL-SN-753965
N78-27121* #	c 07	NASA-CASE-LAR-11919-1 US-PATENT-APPL-SN-672221	N78-27913* #	c 75	NASA-CASE-MFS-22906-1 US-PATENT-APPL-SN-684807 US-PATENT-CLASS-29-81C US-PATENT-CLASS-313-231.3 US-PATENT-CLASS-315-111.2 US-PATENT-4,088,926			
			N78-28411* #	c 35	NASA-CASE-KSC-11035-1			

N78-31736* #	c 54	US-PATENT-CLASS-2-2.1A	US-PATENT-CLASS-307-229	N78-33526* #	c 44	NASA-CASE-NPO-13763-1
		US-PATENT-CLASS-285-235	US-PATENT-CLASS-307-230			US-PATENT-APPL-SN-718268
		US-PATENT-4,091,464	US-PATENT-CLASS-328-145			US-PATENT-CLASS-123-DIG.12
N78-32086* #	c 05	NASA-CASE-ARC-11100-1	US-PATENT-4,091,329	N78-33913* #	c 74	US-PATENT-CLASS-123-1A
		US-PATENT-APPL-SN-780569	NASA-CASE-GSC-12146-1			US-PATENT-CLASS-123-3
		US-PATENT-CLASS-2-2.1A	US-PATENT-APPL-SN-782480			US-PATENT-4,112,875
N78-32168* #	c 15	US-PATENT-4,091,465	US-PATENT-CLASS-325-159	N79-10057* #	c 07	NASA-CASE-NPO-10233-1
		NASA-CASE-LAR-11932-1	US-PATENT-CLASS-325-187			US-PATENT-APPL-SN-716885
		US-PATENT-APPL-SN-718244	US-PATENT-CLASS-333-17R			US-PATENT-CLASS-250-218
N78-32179* #	c 20	US-PATENT-CLASS-244-218	US-PATENT-CLASS-333-81R	N79-10162* #	c 25	US-PATENT-CLASS-250-227
		US-PATENT-CLASS-244-45A	US-PATENT-4,092,617			US-PATENT-CLASS-250-239
		US-PATENT-CLASS-244-46	NASA-CASE-LEW-12791-1			US-PATENT-CLASS-356-208
N78-32229* #	c 26	US-PATENT-4,116,131	US-PATENT-APPL-SN-801432	N79-10163* #	c 25	US-PATENT-3,573,470
		NASA-CASE-LAR-12264-1	US-PATENT-CLASS-363-101			NASA-CASE-LEW-12232-1
		US-PATENT-APPL-SN-943087	US-PATENT-CLASS-363-16			US-PATENT-APPL-SN-776029
N78-32256* #	c 27	NASA-CASE-NPO-11458A	US-PATENT-CLASS-363-60	N79-10262* #	c 32	US-PATENT-CLASS-415-111
		US-PATENT-APPL-SN-48621	US-PATENT-4,092,712			US-PATENT-CLASS-415-116
		US-PATENT-CLASS-102-103	NASA-CASE-ARC-11036-1			US-PATENT-CLASS-60-39.14
N78-32260* #	c 27	US-PATENT-CLASS-149-19.4	US-PATENT-APPL-SN-740457	N79-10263* #	c 32	US-PATENT-4,117,669
		US-PATENT-CLASS-149-43	US-PATENT-CLASS-33-366			NASA-CASE-ARC-11053-1
		US-PATENT-CLASS-149-44	US-PATENT-4,094,073			US-PATENT-APPL-SN-814378
N78-32261* #	c 27	US-PATENT-CLASS-149-76	NASA-CASE-MFS-23363-1	N79-10264* #	c 32	US-PATENT-CLASS-23-252R
		US-PATENT-CLASS-149-83	US-PATENT-APPL-SN-730046			US-PATENT-CLASS-423-581
		US-PATENT-CLASS-149-85	US-PATENT-CLASS-324-173			US-PATENT-4,101,644
N78-32262* #	c 27	US-PATENT-CLASS-149-85	US-PATENT-CLASS-324-207	N79-10337* #	c 33	NASA-CASE-NPO-13274-1
		US-PATENT-4,116,131	US-PATENT-4,093,917			US-PATENT-APPL-SN-406296
		NASA-CASE-ARC-10992-1	NASA-CASE-LAR-11617-2			US-PATENT-CLASS-204-180S
N78-32263* #	c 27	US-PATENT-APPL-SN-760810	US-PATENT-APPL-SN-547072	N79-10338* #	c 33	US-PATENT-CLASS-204-299
		US-PATENT-CLASS-204-164	US-PATENT-APPL-SN-668771			US-PATENT-3,932,262
		US-PATENT-CLASS-204-175	US-PATENT-CLASS-324-249			NASA-CASE-NPO-13941-1
N78-32264* #	c 27	US-PATENT-CLASS-423-582	US-PATENT-4,088,954	N79-10339* #	c 33	US-PATENT-APPL-SN-774384
		US-PATENT-CLASS-423-583	NASA-CASE-MFS-23114-1			US-PATENT-CLASS-307-233R
		US-PATENT-4,094,758	US-PATENT-APPL-SN-686331			US-PATENT-CLASS-324-77B
N78-32265* #	c 27	NASA-CASE-MSC-14903-1	US-PATENT-CLASS-350-3.5	N79-10389* #	c 35	US-PATENT-CLASS-324-77C
		US-PATENT-APPL-SN-706424	US-PATENT-CLASS-356-72			US-PATENT-4,118,666
		US-PATENT-CLASS-260-21P	US-PATENT-CLASS-356-73			

			US-PATENT-APPL-SN-713027				US-PATENT-CLASS-343-854				US-PATENT-CLASS-427-343
			US-PATENT-CLASS-30-90.6				US-PATENT-4,119,972				US-PATENT-CLASS-427-398A
			US-PATENT-CLASS-81-9.5R		N79-11265* #	c 32	NASA-CASE-GSC-12150-1				US-PATENT-APPL-SN-755323
			US-PATENT-4,117,749				US-PATENT-APPL-SN-736286				US-PATENT-CLASS-427-75
N79-10420* #	c 37		NASA-CASE-NPO-14014-1				US-PATENT-CLASS-325-4		N79-11865* #	c 74	NASA-CASE-MFS-23513-1
			US-PATENT-APPL-SN-826204				US-PATENT-CLASS-325-67				US-PATENT-CLASS-356-124
			US-PATENT-CLASS-188-1C				US-PATENT-CLASS-343-17.7				US-PATENT-CLASS-356-210
			US-PATENT-CLASS-256-1		N79-11313* #	c 33	US-PATENT-4,119,964				US-PATENT-4,102,580
			US-PATENT-CLASS-256-13.1				NASA-CASE-MSC-16461-1				NASA-CASE-NPO-13918-1
			US-PATENT-4,118,014				US-PATENT-APPL-SN-858765				US-PATENT-APPL-SN-706073
N79-10421* #	c 37		NASA-CASE-MFS-23620-1				US-PATENT-CLASS-307-232		N79-11920* #	c 76	US-PATENT-CLASS-156-DIG.64
			US-PATENT-APPL-SN-799023				US-PATENT-CLASS-328-133				US-PATENT-CLASS-156-DIG.65
			US-PATENT-CLASS-219-124.2-2				US-PATENT-CLASS-331-1A				US-PATENT-CLASS-156-DIG.88
			US-PATENT-CLASS-219-124.32				US-PATENT-CLASS-331-14				US-PATENT-CLASS-156-608
			US-PATENT-CLASS-219-125.1				US-PATENT-CLASS-331-23				US-PATENT-CLASS-156-617SP
			US-PATENT-CLASS-228-8				US-PATENT-CLASS-331-27				US-PATENT-4,121,965
			US-PATENT-4,118,620		N79-11314* #	c 33	US-PATENT-4,119,926				NASA-CASE-FRC-10092-1
N79-10422* #	c 37		NASA-CASE-MFS-23051-1				NASA-CASE-NPO-13064-1				US-PATENT-APPL-SN-831634
			US-PATENT-APPL-SN-632111				US-PATENT-APPL-SN-297436				US-PATENT-CLASS-244-48
			US-PATENT-CLASS-15-230.16				US-PATENT-CLASS-357-22		N79-12061* #	c 05	US-PATENT-CLASS-244-82
			US-PATENT-CLASS-15-230.17				US-PATENT-3,860,946				US-PATENT-CLASS-244-90R
			US-PATENT-CLASS-29-125		N79-11315* #	c 33	NASA-CASE-KSC-11031-1				US-PATENT-4,124,180
			US-PATENT-CLASS-428-133				US-PATENT-APPL-SN-782482				NASA-CASE-MSC-12619-2
			US-PATENT-CLASS-74-572				US-PATENT-CLASS-324-102				US-PATENT-APPL-SN-555750
			US-PATENT-4,098,142				US-PATENT-CLASS-324-113				US-PATENT-APPL-SN-786913
N79-10513* #	c 44		NASA-CASE-NPO-13732-1				US-PATENT-CLASS-324-133		N79-12221* #	c 27	US-PATENT-CLASS-244-121
			US-PATENT-APPL-SN-765138				US-PATENT-4,105,966				US-PATENT-CLASS-244-158
			US-PATENT-CLASS-429-13		N79-11402* #	c 37	NASA-CASE-MSC-16043-1				US-PATENT-CLASS-244-160
			US-PATENT-CLASS-429-41				US-PATENT-APPL-SN-750792				US-PATENT-CLASS-428-189
			US-PATENT-CLASS-429-42				US-PATENT-CLASS-137-614.06				US-PATENT-CLASS-428-212
			US-PATENT-4,100,331				US-PATENT-CLASS-137-637.05				US-PATENT-CLASS-428-280
N79-10693* #	c 51		NASA-CASE-MSC-16098-1				US-PATENT-CLASS-251-149.9				US-PATENT-CLASS-428-285
			US-PATENT-APPL-SN-792068				US-PATENT-CLASS-285-326				US-PATENT-CLASS-428-286
			US-PATENT-CLASS-210-23F				US-PATENT-CLASS-285-359				US-PATENT-CLASS-428-332
			US-PATENT-CLASS-210-433M				US-PATENT-4,103,712				US-PATENT-CLASS-428-447
			US-PATENT-CLASS-210-96M		N79-11403* #	c 37	NASA-CASE-LEW-12793-1				US-PATENT-CLASS-428-450
			US-PATENT-4,118,315				US-PATENT-APPL-SN-745766				US-PATENT-CLASS-428-77
N79-10694* #	c 51		NASA-CASE-GSC-12173-1				US-PATENT-CLASS-60-39.08				US-PATENT-CLASS-428-920
			US-PATENT-APPL-SN-806440				US-PATENT-CLASS-60-39.28R				US-PATENT-4,124,732
			US-PATENT-CLASS-165-2				US-PATENT-CLASS-60-39.66				NASA-CASE-GSC-12190-1
			US-PATENT-CLASS-165-30				US-PATENT-4,104,873				US-PATENT-APPL-SN-817413
			US-PATENT-CLASS-195-1.8		N79-11404* #	c 37	NASA-CASE-MFS-23447-1				US-PATENT-CLASS-357-22
			US-PATENT-CLASS-219-299				US-PATENT-APPL-SN-736909				US-PATENT-CLASS-357-23
			US-PATENT-CLASS-219-302				US-PATENT-CLASS-308-194				US-PATENT-CLASS-357-41
			US-PATENT-CLASS-62-514R				US-PATENT-CLASS-308-72				US-PATENT-CLASS-357-45
			US-PATENT-CLASS-62-78				US-PATENT-4,105,261				US-PATENT-CLASS-357-55
			US-PATENT-4,117,881		N79-11405* #	c 37	NASA-CASE-NPO-13828-1				US-PATENT-4,119,996
N79-10724* #	c 52		NASA-CASE-ARC-10985-1				US-PATENT-APPL-SN-672636				NASA-CASE-MSC-12662-1
			US-PATENT-APPL-SN-769148				US-PATENT-CLASS-123-148DC				US-PATENT-APPL-SN-540779
			US-PATENT-CLASS-128-2.05R				US-PATENT-CLASS-123-148E				US-PATENT-CLASS-428-109
			US-PATENT-CLASS-358-111				US-PATENT-CLASS-315-209CD				US-PATENT-CLASS-428-247
			US-PATENT-CLASS-358-96				US-PATENT-CLASS-315-209SC				US-PATENT-CLASS-428-258
			US-PATENT-CLASS-364-417				US-PATENT-CLASS-315-241R				US-PATENT-CLASS-428-259
			US-PATENT-4,101,961				US-PATENT-4,122,816				US-PATENT-4,107,363
N79-10969* #	c 89		NASA-CASE-MFS-23675-1		N79-11467* #	c 44	NASA-CASE-LEW-12819-1				NASA-CASE-LAR-11729-1
			US-PATENT-APPL-SN-820498				US-PATENT-APPL-SN-803823				US-PATENT-APPL-SN-856461
			US-PATENT-CLASS-350-294				US-PATENT-CLASS-136-89CC				US-PATENT-CLASS-73-189
			US-PATENT-CLASS-350-55				US-PATENT-CLASS-136-89SJ				US-PATENT-CLASS-73-194VS
			US-PATENT-4,101,195				US-PATENT-CLASS-357-15				US-PATENT-4,122,712
N79-11108* #	c 18		NASA-CASE-MFS-23579-1				US-PATENT-CLASS-357-16				NASA-CASE-NPO-14100-1
			US-PATENT-APPL-SN-829316				US-PATENT-CLASS-357-30				US-PATENT-APPL-SN-861391
			US-PATENT-CLASS-228-13				US-PATENT-CLASS-357-65				US-PATENT-CLASS-324-20R
			US-PATENT-CLASS-228-15.1				US-PATENT-CLASS-357-67				US-PATENT-CLASS-324-22
			US-PATENT-CLASS-228-173				US-PATENT-4,104,084				US-PATENT-4,122,383
			US-PATENT-CLASS-244-159		N79-11468* #	c 44	NASA-CASE-LEW-12775-1				NASA-CASE-MSC-16258-1
			US-PATENT-4,122,991				US-PATENT-APPL-SN-799026				US-PATENT-APPL-SN-853705
N79-11151* #	c 25		NASA-CASE-NPO-13958-1				US-PATENT-CLASS-136-89				US-PATENT-CLASS-210-50
			US-PATENT-APPL-SN-745384				US-PATENT-CLASS-148-188				US-PATENT-CLASS-210-60
			US-PATENT-CLASS-126-91A				US-PATENT-CLASS-29-572				US-PATENT-CLASS-210-63R
			US-PATENT-CLASS-431-10				US-PATENT-CLASS-427-75				US-PATENT-CLASS-423-242
			US-PATENT-CLASS-431-208				US-PATENT-4,104,091				US-PATENT-CLASS-55-73
			US-PATENT-CLASS-432-223		N79-11469* #	c 44	NASA-CASE-MFS-23518-1				US-PATENT-4,123,355
			US-PATENT-CLASS-432-29				US-PATENT-APPL-SN-829390				NASA-CASE-NPO-13913-1
			US-PATENT-4,104,018				US-PATENT-CLASS-204-32				US-PATENT-APPL-SN-687251
N79-11152* #	c 25		NASA-CASE-NPO-13904-1				US-PATENT-CLASS-204-33				US-PATENT-CLASS-128-2R
			US-PATENT-APPL-SN-730468				US-PATENT-CLASS-204-37R				US-PATENT-CLASS-364-120
			US-PATENT-CLASS-208-10				US-PATENT-CLASS-204-38B				US-PATENT-CLASS-364-300
			US-PATENT-CLASS-208-8				US-PATENT-4,104,134				US-PATENT-CLASS-364-415
			US-PATENT-CLASS-302-66		N79-11470* #	c 44	NASA-CASE-NPO-14126-1				US-PATENT-CLASS-364-900
			US-PATENT-CLASS-44-51				US-PATENT-APPL-SN-838336				US-PATENT-4,122,518
			US-PATENT-4,121,995				US-PATENT-CLASS-204-157.1R				NASA-CASE-KSC-11010-1
N79-11215* #	c 27		NASA-CASE-ARC-11170-1				US-PATENT-CLASS-250-527				US-PATENT-APPL-SN-753977
			US-PATENT-APPL-SN-956161				US-PATENT-4,105,517				US-PATENT-CLASS-200-46
N79-11231* #	c 28		NASA-CASE-NPO-13858-1		N79-11471* #	c 44	NASA-CASE-NPO-13817-1				US-PATENT-CLASS-200-61
			NASA-CASE-NPO-13859-1				US-PATENT-APPL-SN-801452				US-PATENT-CLASS-250-214AL
			US-PATENT-APPL-SN-740153				US-PATENT-CLASS-126-270				US-PATENT-CLASS-250-214R
			US-PATENT-CLASS-102-28R				US-PATENT-CLASS-126-271				US-PATENT-CLASS-315-153
			US-PATENT-4,103,619				US-PATENT-CLASS-350-288				US-PATENT-4,122,334
N79-11246* #	c 31		NASA-CASE-LAR-12147-1				US-PATENT-CLASS-350-299				NASA-CASE-NPO-14009-1
			US-PATENT-APPL-SN-733825				US-PATENT-4,122,833				US-PATENT-APPL-SN-818917
			US-PATENT-CLASS-73-159		N79-11472* #	c 44	NASA-CASE-LEW-12552-2				US-PATENT-CLASS-343-117R
			US-PATENT-CLASS-73-95				US-PATENT-APPL-SN-844346				US-PATENT-CLASS-343-118
			US-PATENT-4,103,550				US-PATENT-CLASS-29-572				US-PATENT-CLASS-343-126
N79-11264* #	c 32		NASA-CASE-MSC-14939-1				US-PATENT-CLASS-427-123				US-PATENT-CLASS-343-7.4
			US-PATENT-APPL-SN-765165				US-PATENT-CLASS-427-126				
			US-PATENT-CLASS-343-844				US-PATENT-CLASS-427-261				

N79-13288* #	c 34	US-PATENT-4,122,454	US-PATENT-CLASS-149-19.92	US-PATENT-CLASS-357-30
		NASA-CASE-LEW-12252-1	US-PATENT-CLASS-149-20	US-PATENT-4,131,486
N79-13289* #	c 34	US-PATENT-APPL-SN-559847	US-PATENT-4,111,729	NASA-CASE-NPO-13579-4
		US-PATENT-CLASS-165-169	NASA-CASE-NPO-13982-1	US-PATENT-APPL-SN-906297
N79-13364* #	c 37	US-PATENT-CLASS-239-127.1	US-PATENT-APPL-SN-782464	US-PATENT-CLASS-126-271
		US-PATENT-CLASS-60-267	US-PATENT-CLASS-329-122	US-PATENT-CLASS-350-292
N79-13826* #	c 72	US-PATENT-4,107,919	US-PATENT-CLASS-343-14	US-PATENT-CLASS-350-293
		NASA-CASE-LEW-12441-1	US-PATENT-CLASS-364-458	US-PATENT-CLASS-350-320
N79-13855* #	c 74	US-PATENT-APPL-SN-559846	US-PATENT-CLASS-364-604	US-PATENT-4,131,336
		US-PATENT-CLASS-165-146	US-PATENT-CLASS-364-728	NASA-CASE-NPO-13930-1
N79-14095* #	c 07	US-PATENT-CLASS-165-169	US-PATENT-4,112,497	US-PATENT-APPL-SN-700467
		US-PATENT-CLASS-60-267	NASA-CASE-NPO-14019-1	US-PATENT-CLASS-128-214D
N79-14108* #	c 08	US-PATENT-4,108,241	US-PATENT-CLASS-343-100CL	US-PATENT-CLASS-128-272
		NASA-CASE-LAR-10941-2	US-PATENT-CLASS-343-5CM	US-PATENT-CLASS-150-1
N79-14156* #	c 24	US-PATENT-APPL-SN-395493	US-PATENT-4,132,989	US-PATENT-CLASS-195-1.8
		US-PATENT-CLASS-228-107	NASA-CASE-KSC-11057-1	US-PATENT-CLASS-206-439
N79-14169* #	c 25	US-PATENT-CLASS-228-2.5	US-PATENT-APPL-SN-835544	US-PATENT-CLASS-210-DIG.23
		US-PATENT-CLASS-29-421E	US-PATENT-CLASS-324-102	US-PATENT-CLASS-422-41
N79-14213* #	c 27	US-PATENT-4,106,687	US-PATENT-CLASS-324-112	US-PATENT-CLASS-422-48
		NASA-CASE-NPO-13993-1	US-PATENT-CLASS-324-113	US-PATENT-4,132,594
N79-14228* #	c 28	US-PATENT-APPL-SN-782463	US-PATENT-CLASS-324-133	NASA-CASE-GSC-12046-1
		US-PATENT-CLASS-331-94.5L	US-PATENT-CLASS-324-72	US-PATENT-APPL-SN-680015
N79-14267* #	c 32	US-PATENT-CLASS-331-94.5P	US-PATENT-4,112,357	US-PATENT-CLASS-195-103.5K
		US-PATENT-CLASS-331-94.5PE	NASA-CASE-LEW-12661-1	US-PATENT-CLASS-195-103.5L
N79-14268* #	c 32	US-PATENT-4,107,627	US-PATENT-APPL-SN-837796	US-PATENT-4,132,599
		NASA-CASE-MFS-23052-2	US-PATENT-CLASS-73-115	NASA-CASE-NPO-13935-1
N79-14305* #	c 33	US-PATENT-APPL-SN-590183	US-PATENT-4,111,041	NASA-CASE-NPO-13944-1
		US-PATENT-APPL-SN-772165	NASA-CASE-LEW-12174-2	US-PATENT-APPL-SN-741749
N79-14345* #	c 35	US-PATENT-CLASS-35-12C	US-PATENT-APPL-SN-667929	US-PATENT-CLASS-128-2V
		US-PATENT-CLASS-35-12N	US-PATENT-APPL-SN-853679	US-PATENT-CLASS-73-633
N79-14346* #	c 35	US-PATENT-CLASS-358-104	US-PATENT-CLASS-136-202	US-PATENT-CLASS-73-644
		US-PATENT-4,106,218	US-PATENT-CLASS-136-236	US-PATENT-4,130,112
N79-14347* #	c 35	NASA-CASE-LEW-13050-1	US-PATENT-4,111,718	NASA-CASE-LEW-12658-1
		US-PATENT-APPL-SN-513346	NASA-CASE-LAR-12230-1	US-PATENT-APPL-SN-702115
N79-14348* #	c 35	US-PATENT-CLASS-416-157B	US-PATENT-APPL-SN-835628	US-PATENT-CLASS-181-190
		US-PATENT-CLASS-416-160	US-PATENT-CLASS-73-147	US-PATENT-CLASS-181-213
N79-14349* #	c 35	US-PATENT-CLASS-416-162	US-PATENT-CLASS-73-14R	US-PATENT-CLASS-181-222
		US-PATENT-CLASS-416-167	US-PATENT-CLASS-73-714	US-PATENT-CLASS-181-293
N79-14362* #	c 36	US-PATENT-4,124,330	US-PATENT-CLASS-73-721	US-PATENT-4,106,587
		NASA-CASE-LEW-12389-3	US-PATENT-CLASS-73-756	NASA-CASE-GSC-12225-1
N79-14382* #	c 37	US-PATENT-APPL-SN-552108	US-PATENT-4,111,058	US-PATENT-APPL-SN-823566
		US-PATENT-APPL-SN-753452	NASA-CASE-NPO-13569-2	US-PATENT-CLASS-350-157
N79-14383* #	c 37	US-PATENT-CLASS-137-15.1	US-PATENT-APPL-SN-565162	US-PATENT-4,129,357
		US-PATENT-CLASS-244-54	US-PATENT-APPL-SN-804035	NASA-CASE-LAR-12251-1
N79-14398* #	c 38	US-PATENT-CLASS-415-200	US-PATENT-CLASS-318-573	US-PATENT-APPL-SN-953389
		US-PATENT-CLASS-415-201	US-PATENT-CLASS-318-594	NASA-CASE-MFS-23541-1
N79-14426* #	c 44	US-PATENT-CLASS-60-226A	US-PATENT-CLASS-318-640	US-PATENT-APPL-SN-814005
		US-PATENT-CLASS-60-226R	US-PATENT-4,132,940	US-PATENT-CLASS-204-192C
N79-14427* #	c 44	US-PATENT-CLASS-60-39.31	NASA-CASE-LAR-11859-1	US-PATENT-4,111,775
		US-PATENT-4,132,069	US-PATENT-APPL-SN-861396	NASA-CASE-ARC-10975-1
N79-14428* #	c 44	NASA-CASE-LEW-12378-1	US-PATENT-CLASS-324-57R	US-PATENT-APPL-SN-799832
		US-PATENT-APPL-SN-753029	US-PATENT-4,130,795	US-PATENT-CLASS-250-531
N79-14429* #	c 44	US-PATENT-CLASS-239-265.39	NASA-CASE-GSC-12334-1	US-PATENT-CLASS-250-540
		US-PATENT-CLASS-60-226A	US-PATENT-APPL-SN-856464	US-PATENT-CLASS-250-541
N79-14430* #	c 44	US-PATENT-4,132,068	US-PATENT-CLASS-324-0.5	US-PATENT-4,130,490
		NASA-CASE-LAR-11868-2	US-PATENT-CLASS-331-94	NASA-CASE-NPO-10872-1
N79-14431* #	c 44	US-PATENT-APPL-SN-651002	US-PATENT-4,128,814	US-PATENT-APPL-SN-805549
		US-PATENT-APPL-SN-779429	NASA-CASE-LAR-11900-1	US-PATENT-CLASS-179-100.2CH
N79-14432* #	c 44	US-PATENT-CLASS-244-218	US-PATENT-APPL-SN-775239	US-PATENT-CLASS-340-174.1M
		US-PATENT-CLASS-244-46	US-PATENT-CLASS-403-105	US-PATENT-CLASS-346-74MT
N79-14433* #	c 44	US-PATENT-CLASS-244-90R	US-PATENT-CLASS-416-61	US-PATENT-3,626,114
		US-PATENT-4,132,375	US-PATENT-CLASS-74-586	NASA-CASE-NPO-11336-1
N79-14434* #	c 44	NASA-CASE-GSC-12207-1	US-PATENT-4,111,068	NASA-CASE-NPO-13247-1
		US-PATENT-APPL-SN-844344	NASA-CASE-NPO-13541-1	US-PATENT-APPL-SN-302913
N79-14435* #	c 44	US-PATENT-CLASS-106-296	US-PATENT-APPL-SN-828262	US-PATENT-CLASS-117-107
		US-PATENT-CLASS-106-84	US-PATENT-CLASS-81-119	US-PATENT-CLASS-117-119
N79-14436* #	c 44	US-PATENT-CLASS-252-518	US-PATENT-CLASS-81-180B	US-PATENT-CLASS-117-234
		US-PATENT-4,111,651	US-PATENT-CLASS-81-90B	US-PATENT-CLASS-117-235
N79-14437* #	c 44	NASA-CASE-ARC-11121-1	US-PATENT-4,130,032	US-PATENT-CLASS-117-237
		US-PATENT-APPL-SN-850507	NASA-CASE-MSC-19672-1	US-PATENT-CLASS-117-239
N79-14438* #	c 44	US-PATENT-CLASS-204-180G	US-PATENT-APPL-SN-696679	US-PATENT-CLASS-117-240
		US-PATENT-CLASS-204-180S	US-PATENT-CLASS-310-326	US-PATENT-CLASS-148-121
N79-14439* #	c 44	US-PATENT-CLASS-204-299R	US-PATENT-CLASS-310-336	US-PATENT-CLASS-148-6
		US-PATENT-CLASS-23-230B	US-PATENT-CLASS-73-632	US-PATENT-CLASS-75-134D
N79-14440* #	c 44	US-PATENT-CLASS-424-12	US-PATENT-CLASS-73-641	US-PATENT-3,837,908
		US-PATENT-4,130,471	US-PATENT-CLASS-73-644	NASA-CASE-ARC-11040-1
N79-14441* #	c 44	NASA-CASE-NPO-13690-2	US-PATENT-4,122,725	US-PATENT-APPL-SN-778195
		US-PATENT-APPL-SN-858766	NASA-CASE-NPO-13921-1	US-PATENT-CLASS-156-331
N79-14442* #	c 44	US-PATENT-CLASS-264-60	US-PATENT-APPL-SN-785257	US-PATENT-CLASS-428-117
		US-PATENT-CLASS-75-203	US-PATENT-CLASS-126-270	US-PATENT-CLASS-428-119
N79-14443* #	c 44	US-PATENT-CLASS-75-205	US-PATENT-CLASS-126-271	US-PATENT-CLASS-428-375
		US-PATENT-CLASS-75-206	US-PATENT-4,111,184	US-PATENT-CLASS-428-458
N79-14444* #	c 44	US-PATENT-CLASS-75-212	NASA-CASE-HQN-10888-1	US-PATENT-CLASS-428-73
		US-PATENT-CLASS-75-226	US-PATENT-APPL-SN-760057	US-PATENT-4,135,019
N79-14445* #	c 44	US-PATENT-4,131,459	US-PATENT-CLASS-188-151A	NASA-CASE-GSC-12168-1
		NASA-CASE-ARC-10892-2	US-PATENT-CLASS-188-269	US-PATENT-APPL-SN-838337
N79-14446* #	c 44	US-PATENT-APPL-SN-589172	US-PATENT-CLASS-303-92	US-PATENT-CLASS-165-30
		US-PATENT-APPL-SN-767912	US-PATENT-CLASS-415-9	US-PATENT-CLASS-174-15CA
N79-14447* #	c 44	US-PATENT-CLASS-427-294	US-PATENT-CLASS-416-2	US-PATENT-CLASS-250-352
		US-PATENT-CLASS-427-41	US-PATENT-CLASS-74-572	US-PATENT-CLASS-62-514R
N79-14448* #	c 44	US-PATENT-CLASS-428-411	US-PATENT-4,132,130	US-PATENT-4,134,447
		US-PATENT-4,132,829	NASA-CASE-LEW-12236-2	NASA-CASE-MFS-23659-1
N79-14449* #	c 44	NASA-CASE-NPO-10866-1	US-PATENT-APPL-SN-760771	US-PATENT-APPL-SN-782462
		US-PATENT-APPL-SN-849274	US-PATENT-APPL-SN-899123	US-PATENT-CLASS-323-44F
N79-14450* #	c 44	US-PATENT-CLASS-149-19.9	US-PATENT-CLASS-136-89SJ	US-PATENT-CLASS-336-DIG.1

- N79-17192* # c 35 US-PATENT-4,135,127
NASA-CASE-LEW-11583-1
US-PATENT-APPL-SN-414042
US-PATENT-CLASS-55-118
US-PATENT-CLASS-55-122
US-PATENT-CLASS-55-127
US-PATENT-CLASS-55-155
US-PATENT-CLASS-55-241
US-PATENT-CLASS-55-242
US-PATENT-CLASS-55-360
US-PATENT-CLASS-55-407
US-PATENT-4,134,744
- N79-17288* # c 43 NASA-CASE-NPO-13691-1
US-PATENT-APPL-SN-664091
US-PATENT-CLASS-250-226
US-PATENT-CLASS-356-300
US-PATENT-CLASS-356-407
US-PATENT-CLASS-356-416
US-PATENT-4,134,683
- N79-17313* # c 44 NASA-CASE-LEW-12358-1
US-PATENT-APPL-SN-776146
US-PATENT-CLASS-429-101
US-PATENT-CLASS-429-33
US-PATENT-4,133,941
- N79-17314* # c 44 NASA-CASE-NPO-13652-1
US-PATENT-APPL-SN-809890
US-PATENT-CLASS-136-89CC
US-PATENT-CLASS-136-89P
US-PATENT-CLASS-29-572
US-PATENT-4,133,697
- N79-17747* # c 85 NASA-CASE-NPO-13847-2
NASA-CASE-NPO-13848-2
US-PATENT-APPL-SN-750798
US-PATENT-CLASS-162-14
US-PATENT-CLASS-162-29
US-PATENT-CLASS-210-28
US-PATENT-CLASS-210-40
US-PATENT-CLASS-210-45
US-PATENT-CLASS-210-54
US-PATENT-CLASS-210-66
US-PATENT-CLASS-210-67
US-PATENT-CLASS-210-70
US-PATENT-CLASS-210-73F
US-PATENT-4,134,786
- N79-17847* # c 05 NASA-CASE-ARC-11045-1
US-PATENT-APPL-SN-818916
US-PATENT-CLASS-416-132R
US-PATENT-CLASS-416-138
US-PATENT-CLASS-416-51
US-PATENT-CLASS-416-88
US-PATENT-CLASS-416-89
US-PATENT-4,137,010
- N79-17916* # c 24 NASA-CASE-LEW-11930-4
US-PATENT-APPL-SN-860406
US-PATENT-CLASS-252-12.2
US-PATENT-CLASS-308-DIG.8
US-PATENT-CLASS-308-DIG.9
US-PATENT-CLASS-308-168
US-PATENT-CLASS-308-171
US-PATENT-CLASS-308-78
US-PATENT-CLASS-308-87R
US-PATENT-CLASS-427-292
US-PATENT-CLASS-427-327
US-PATENT-CLASS-427-328
US-PATENT-CLASS-427-34
US-PATENT-CLASS-427-355
US-PATENT-CLASS-427-376B
US-PATENT-CLASS-427-376C
US-PATENT-4,136,211
- N79-18052* # c 27 NASA-CASE-ARC-10915-2
US-PATENT-APPL-SN-634304
US-PATENT-APPL-SN-779883
US-PATENT-CLASS-427-40
US-PATENT-CLASS-427-41
US-PATENT-CLASS-428-412
US-PATENT-CLASS-428-447
US-PATENT-CLASS-428-451
US-PATENT-4,137,365
- N79-18193* # c 33 NASA-CASE-KSC-10899-1
US-PATENT-APPL-SN-814004
US-PATENT-CLASS-324-127
US-PATENT-CLASS-324-133
US-PATENT-CLASS-324-52
US-PATENT-CLASS-340-650
US-PATENT-CLASS-340-664
US-PATENT-4,110,683
- N79-18296* # c 35 NASA-CASE-LAR-12275-1
US-PATENT-APPL-SN-885065
US-PATENT-CLASS-356-28
US-PATENT-CLASS-358-107
US-PATENT-4,135,817
- N79-18307* # c 36 NASA-CASE-LAR-12183-1
US-PATENT-CLASS-331-94.5G
US-PATENT-CLASS-331-94.5P
US-PATENT-CLASS-788-704
US-PATENT-4,110,703
- N79-18318* # c 37 NASA-CASE-LEW-12131-1
US-PATENT-APPL-SN-801290
US-PATENT-CLASS-415-174
US-PATENT-CLASS-415-200
US-PATENT-4,135,851
- N79-18443* # c 44 NASA-CASE-NPO-14058-1
US-PATENT-APPL-SN-824024
US-PATENT-CLASS-126-271
US-PATENT-CLASS-165-105
US-PATENT-CLASS-60-508
US-PATENT-CLASS-60-572
US-PATENT-CLASS-60-641
US-PATENT-4,135,367
- N79-18444* # c 44 NASA-CASE-LEW-12819-2
US-PATENT-APPL-SN-863770
US-PATENT-CLASS-148-6.3
US-PATENT-CLASS-29-572
US-PATENT-CLASS-29-578
US-PATENT-CLASS-29-591
US-PATENT-4,135,290
- N79-18580* # c 52 NASA-CASE-ARC-11035-1
US-PATENT-APPL-SN-758721
US-PATENT-CLASS-128-2.05Z
US-PATENT-CLASS-128-2.1A
US-PATENT-CLASS-128-2V
US-PATENT-4,109,644
- N79-19186* # c 32 NASA-CASE-WOO-00428-1
US-PATENT-APPL-SN-112999
US-PATENT-CLASS-117-35
US-PATENT-3,173,801
- N79-19195* # c 32 NASA-CASE-NPO-14525-1
US-PATENT-APPL-SN-017885
- N79-19447* # c 44 NASA-CASE-XGS-00829-1
US-PATENT-APPL-SN-286824
US-PATENT-CLASS-269-153
US-PATENT-3,262,694
- N79-20179* # c 20 NASA-CASE-LEW-12780-1
US-PATENT-APPL-SN-891370
US-PATENT-CLASS-323-15
US-PATENT-CLASS-323-20
US-PATENT-4,143,314
- N79-20296* # c 32 NASA-CASE-GSC-12148-1
US-PATENT-APPL-SN-786322
US-PATENT-CLASS-325-58
US-PATENT-CLASS-325-63
US-PATENT-CLASS-343-179
US-PATENT-4,140,972
- N79-20297* # c 32 NASA-CASE-MSC-16253-1
US-PATENT-APPL-SN-831631
US-PATENT-CLASS-358-109
US-PATENT-CLASS-358-81
US-PATENT-CLASS-364-713
US-PATENT-4,139,862
- N79-20314* # c 33 NASA-CASE-GSC-12138-1
US-PATENT-APPL-SN-779871
US-PATENT-CLASS-310-231
US-PATENT-CLASS-310-46
US-PATENT-CLASS-310-82
US-PATENT-4,142,119
- N79-20335* # c 34 NASA-CASE-NPO-14130-1
US-PATENT-APPL-SN-847278
US-PATENT-CLASS-415-1
US-PATENT-CLASS-415-143
US-PATENT-CLASS-60-645
US-PATENT-CLASS-60-649
US-PATENT-4,141,219
- N79-20336* # c 34 NASA-CASE-LEW-11981-2
US-PATENT-APPL-SN-829315
US-PATENT-CLASS-250-352
US-PATENT-CLASS-313-22
US-PATENT-CLASS-313-35
US-PATENT-CLASS-62-268
US-PATENT-CLASS-62-376
US-PATENT-CLASS-62-514R
US-PATENT-4,141,224
- N79-20377* # c 37 NASA-CASE-MSC-19514-1
US-PATENT-APPL-SN-772168
US-PATENT-CLASS-74-674
US-PATENT-CLASS-74-705
US-PATENT-CLASS-74-764
US-PATENT-4,141,259
- N79-20751* # c 60 NASA-CASE-NPO-13676-1
US-PATENT-APPL-SN-779415
US-PATENT-CLASS-340-347DD
US-PATENT-CLASS-364-900
US-PATENT-4,139,839
- N79-20827* # c 71 NASA-CASE-NPO-14005-1
US-PATENT-APPL-SN-812447
US-PATENT-CLASS-310-20
US-PATENT-CLASS-310-26
US-PATENT-CLASS-310-322
US-PATENT-CLASS-310-334
US-PATENT-CLASS-318-116
US-PATENT-CLASS-60-721
US-PATENT-CLASS-73-505
US-PATENT-4,139,806
- N79-20856* # c 74 NASA-CASE-NPO-14174-1
US-PATENT-APPL-SN-878441
US-PATENT-CLASS-250-237G
US-PATENT-CLASS-354-77
US-PATENT-CLASS-356-129
US-PATENT-4,139,291
- N79-20857* # c 74 NASA-CASE-GSC-12263-1
US-PATENT-APPL-SN-817415
US-PATENT-CLASS-250-363R
US-PATENT-CLASS-250-483
US-PATENT-4,142,101
- N79-21083* # c 09 NASA-CASE-LAR-10135-1
US-PATENT-APPL-SN-648034
US-PATENT-CLASS-73-147
US-PATENT-3,453,878
- N79-21084* # c 09 NASA-CASE-XLE-03186-1
US-PATENT-APPL-SN-200770
US-PATENT-CLASS-89-8
US-PATENT-3,224,337
- N79-21123* # c 20 NASA-CASE-XMF-06884-1
US-PATENT-APPL-SN-579300
US-PATENT-CLASS-164-105
US-PATENT-3,485,290
- N79-21124* # c 20 NASA-CASE-XMF-05964-1
US-PATENT-APPL-SN-578397
US-PATENT-CLASS-60-243
US-PATENT-3,390,528
- N79-21125* # c 20 NASA-CASE-XMF-04592-1
NASA-CASE-XMF-04593-1
US-PATENT-APPL-SN-579376
US-PATENT-CLASS-60-39.74
US-PATENT-3,397,537
- N79-21190* # c 27 NASA-CASE-XMF-02526-1
NASA-CASE-XMF-02527-1
NASA-CASE-XMF-02783-1
US-PATENT-APPL-SN-483817
US-PATENT-CLASS-260-2
US-PATENT-3,311,571
- N79-21191* # c 27 NASA-CASE-XMF-06900-1
US-PATENT-APPL-SN-554959
US-PATENT-CLASS-260-67
US-PATENT-3,419,531
- N79-21225* # c 31 NASA-CASE-XLE-02367-1
US-PATENT-APPL-SN-400857
US-PATENT-CLASS-222-131
US-PATENT-3,215,313
- N79-21226* # c 31 NASA-CASE-MFS-10946-1
US-PATENT-APPL-SN-581843
US-PATENT-CLASS-156-52
US-PATENT-3,481,802
- N79-21227* # c 31 NASA-CASE-XMF-05757-1
US-PATENT-APPL-SN-562558
US-PATENT-CLASS-117-43
US-PATENT-3,511,680
- N79-21264* # c 33 NASA-CASE-XMF-05373-1
US-PATENT-APPL-SN-474815
US-PATENT-CLASS-335-216
US-PATENT-3,310,765
- N79-21265* # c 33 NASA-CASE-KNP-02899-1
US-PATENT-APPL-SN-472643
US-PATENT-CLASS-317-245
US-PATENT-3,356,917
- N79-21345* # c 37 NASA-CASE-XMS-01295-1
US-PATENT-APPL-SN-77869
US-PATENT-CLASS-55-159
US-PATENT-3,131,040
- N79-21750* # c 52 NASA-CASE-MSC-12239-1
US-PATENT-APPL-SN-292340
US-PATENT-CLASS-128-2.07
US-PATENT-3,396,719
- N79-21910* # c 76 NASA-CASE-XLE-02545-1
US-PATENT-APPL-SN-430748
US-PATENT-CLASS-156-17
US-PATENT-3,429,756
- N79-22235* # c 25 NASA-CASE-LEW-12513-1
US-PATENT-APPL-SN-772167
US-PATENT-CLASS-195-103.5R
US-PATENT-CLASS-195-127
US-PATENT-CLASS-204-1T
US-PATENT-CLASS-204-195B
US-PATENT-4,145,255
- N79-22271* # c 26 NASA-CASE-LEW-12542-2
US-PATENT-APPL-SN-803822
US-PATENT-APPL-SN-860405
US-PATENT-CLASS-148-12.4
US-PATENT-CLASS-148-12F
US-PATENT-CLASS-148-2
US-PATENT-4,146,409
- N79-22300* # c 27 NASA-CASE-ARC-11060-1
US-PATENT-APPL-SN-843090
US-PATENT-CLASS-260-307G
US-PATENT-CLASS-528-401
US-PATENT-CLASS-528-422
US-PATENT-4,145,524
- N79-22373* # c 33 NASA-CASE-KSC-11008-1
US-PATENT-APPL-SN-780729

F-60

			US-PATENT-CLASS-260-53	US-PATENT-CLASS-427-88			US-PATENT-4,168,483
			US-PATENT-CLASS-528-126	US-PATENT-4,163,678	N80-10709* #	c 46	NASA-CASE-NPO-14231-1
			US-PATENT-CLASS-528-127	NASA-CASE-NPO-14467-1			US-PATENT-APPL-SN-903019
			US-PATENT-CLASS-528-128	US-PATENT-APPL-SN-946994			US-PATENT-CLASS-175-78
			US-PATENT-CLASS-528-221	US-PATENT-CLASS-136-89PC			US-PATENT-CLASS-73-155
			US-PATENT-CLASS-528-223	US-PATENT-4,162,928			US-PATENT-4,167,111
			US-PATENT-CLASS-528-225	NASA-CASE-LAR-12054-1	N80-10799* #	c 54	NASA-CASE-MSC-16182-1
			US-PATENT-CLASS-528-227	US-PATENT-APPL-SN-839963			US-PATENT-APPL-SN-780938
			US-PATENT-CLASS-528-229	US-PATENT-CLASS-264-137			US-PATENT-CLASS-128-142R
			US-PATENT-CLASS-528-331	US-PATENT-CLASS-428-474			US-PATENT-CLASS-128-191R
			US-PATENT-CLASS-528-336	US-PATENT-CLASS-528-229			US-PATENT-CLASS-128-212
			US-PATENT-CLASS-528-337	US-PATENT-4,166,170			US-PATENT-4,168,706
			US-PATENT-CLASS-528-338	NASA-CASE-XMF-04494-1	N80-14107* #	c 05	NASA-CASE-ARC-11106-1
			US-PATENT-CLASS-528-342	US-PATENT-APPL-SN-547643			US-PATENT-APPL-SN-831633
			US-PATENT-CLASS-544-193	US-PATENT-CLASS-200-83			US-PATENT-CLASS-415-199
			US-PATENT-4,159,262	US-PATENT-3,378,657			US-PATENT-CLASS-416-228
N79-28342* #	c 28		NASA-CASE-NPO-14260-1	NASA-CASE-XMS-01244-1	N79-33393* #	c 33	US-PATENT-CLASS-416-238
			US-PATENT-APPL-SN-861390	US-PATENT-APPL-SN-20370			US-PATENT-4,168,939
			US-PATENT-CLASS-149-19.4	US-PATENT-CLASS-200-114			NASA-CASE-GSC-12331-1
			US-PATENT-CLASS-149-19.9	US-PATENT-3,123,692			US-PATENT-APPL-SN-943088
			US-PATENT-CLASS-149-20	NASA-CASE-XGS-01245-1	N79-33449* #	c 35	US-PATENT-CLASS-343-880
			US-PATENT-4,158,583	US-PATENT-APPL-SN-134619			US-PATENT-CLASS-343-883
N79-28370* #	c 31		NASA-CASE-MFS-23721-1	US-PATENT-CLASS-338-18			US-PATENT-4,176,360
			US-PATENT-APPL-SN-847277	US-PATENT-3,119,086			NASA-CASE-XLE-02062-1
			US-PATENT-CLASS-343-14	NASA-CASE-XGS-01293-1	N79-33450* #	c 35	US-PATENT-APPL-SN-545793
			US-PATENT-CLASS-343-5NA	US-PATENT-APPL-SN-150690			US-PATENT-CLASS-60-203
			US-PATENT-4,161,731	US-PATENT-CLASS-73-400			US-PATENT-CLASS-60-259
N79-28415* #	c 33		NASA-CASE-MSC-16697-1	US-PATENT-3,190,124			US-PATENT-4,171,615
			US-PATENT-APPL-SN-885067	NASA-CASE-XMS-01077-1	N79-33467* #	c 37	NASA-CASE-NPO-14474-1
			US-PATENT-CLASS-307-119	US-PATENT-APPL-SN-228049			US-PATENT-APPL-SN-918537
			US-PATENT-CLASS-307-98	US-PATENT-CLASS-312-319			US-PATENT-CLASS-423-149
			US-PATENT-CLASS-361-170	US-PATENT-3,123,418			US-PATENT-CLASS-423-293
			US-PATENT-4,161,661	NASA-CASE-HQN-00573-1	N79-33468* #	c 37	US-PATENT-CLASS-423-348
N79-28416* #	c 33		NASA-CASE-GSC-12171-1	US-PATENT-APPL-SN-129379			US-PATENT-CLASS-423-417
			US-PATENT-APPL-SN-878542	US-PATENT-CLASS-137-14			US-PATENT-CLASS-423-625
			US-PATENT-CLASS-343-909	US-PATENT-3,134,389			US-PATENT-4,172,883
			US-PATENT-4,160,254	NASA-CASE-XGS-01286-1	N79-33469* #	c 37	NASA-CASE-NPO-13830-1
N79-28527* #	c 35		NASA-CASE-NPO-13953-1	US-PATENT-APPL-SN-142583			US-PATENT-APPL-SN-703905
			US-PATENT-APPL-SN-880727	US-PATENT-CLASS-251-172			US-PATENT-APPL-SN-834257
			US-PATENT-CLASS-356-237	US-PATENT-3,233,862			US-PATENT-CLASS-333-81R
			US-PATENT-CLASS-356-404	NASA-CASE-NPO-14066-1	N79-34011* #	c 74	US-PATENT-CLASS-343-18A
			US-PATENT-4,160,601	US-PATENT-APPL-SN-827464			US-PATENT-CLASS-343-909
N79-28549* #	c 37		NASA-CASE-GSC-12297-1	US-PATENT-CLASS-250-216			US-PATENT-4,164,718
			US-PATENT-APPL-SN-880838	US-PATENT-CLASS-250-551			NASA-CASE-NPO-10857-1
			US-PATENT-CLASS-165-105	US-PATENT-4,166,959			US-PATENT-APPL-SN-888362
			US-PATENT-CLASS-357-74	NASA-CASE-MFS-23642-1	N80-10278* #	c 20	US-PATENT-CLASS-315-145
			US-PATENT-CLASS-357-79	US-PATENT-APPL-SN-923758			US-PATENT-CLASS-315-260
			US-PATENT-CLASS-357-81	US-PATENT-CLASS-137-177			US-PATENT-CLASS-315-334
			US-PATENT-CLASS-357-82	US-PATENT-CLASS-137-209			US-PATENT-3,635,537
			US-PATENT-CLASS-357-83	US-PATENT-CLASS-137-574			NASA-CASE-NPO-14350-1
			US-PATENT-4,161,747	US-PATENT-CLASS-137-576			US-PATENT-APPL-SN-921627
N79-28550* #	c 37		NASA-CASE-GSC-12274-1	US-PATENT-CLASS-137-590			US-PATENT-CLASS-250-310
			US-PATENT-APPL-SN-909100	US-PATENT-CLASS-244-135R			US-PATENT-CLASS-250-492A
			US-PATENT-CLASS-251-7	US-PATENT-4,168,718			US-PATENT-CLASS-324-158T
			US-PATENT-CLASS-72-436	NASA-CASE-MSC-14903-2			US-PATENT-4,172,228
			US-PATENT-CLASS-72-451	US-PATENT-APPL-SN-706424	N80-10358* #	c 27	NASA-CASE-LAR-11680-1
			US-PATENT-CLASS-72-470	US-PATENT-APPL-SN-907435			US-PATENT-APPL-SN-928129
			US-PATENT-4,159,634	US-PATENT-CLASS-260-926			US-PATENT-CLASS-73-655
N79-28551* #	c 37		NASA-CASE-ARC-11052-1	US-PATENT-4,092,466			US-PATENT-CLASS-73-661
			US-PATENT-APPL-SN-826202	US-PATENT-4,168,287			US-PATENT-4,171,645
			US-PATENT-CLASS-414-4	NASA-CASE-NPO-13849-1	N80-10374* #	c 28	NASA-CASE-GSC-12237-1
			US-PATENT-4,160,508	NASA-CASE-NPO-13907-1			US-PATENT-APPL-SN-837795
N79-31228* #	c 09		NASA-CASE-LAR-12149-2	US-PATENT-APPL-SN-668783			US-PATENT-CLASS-331-94.5C
			US-PATENT-APPL-SN-829314	US-PATENT-CLASS-123-DIG.12			US-PATENT-CLASS-331-94.5P
			US-PATENT-APPL-SN-928131	US-PATENT-CLASS-123-179R			US-PATENT-4,173,001
			US-PATENT-CLASS-35-12E	US-PATENT-CLASS-123-3			NASA-CASE-XNP-08835-1
			US-PATENT-CLASS-35-12H	US-PATENT-CLASS-23-288R	N80-14395* #	c 37	US-PATENT-APPL-SN-534931
			US-PATENT-4,164,079	US-PATENT-CLASS-423-650			US-PATENT-CLASS-204-224
N79-31347* #	c 24		NASA-CASE-GSC-12303-1	US-PATENT-CLASS-48-DIG.8			US-PATENT-3,352,774
			US-PATENT-APPL-SN-862880	US-PATENT-CLASS-48-10-3	N80-14397* #	c 37	NASA-CASE-MFS-23284-1
			US-PATENT-CLASS-106-74	US-PATENT-CLASS-48-102A			US-PATENT-APPL-SN-753103
			US-PATENT-CLASS-106-84	US-PATENT-CLASS-48-107			US-PATENT-CLASS-204-180G
			US-PATENT-4,162,169	US-PATENT-CLASS-48-117			US-PATENT-CLASS-204-299R
N79-31523* #	c 34		NASA-CASE-GSC-12253-1	US-PATENT-CLASS-48-61			US-PATENT-4,040,940
			US-PATENT-APPL-SN-853677	US-PATENT-CLASS-60-300	N80-14398* #	c 37	NASA-CASE-GSC-12322-1
			US-PATENT-CLASS-165-105	US-PATENT-CLASS-60-606			US-PATENT-APPL-SN-907436
			US-PATENT-CLASS-165-32	US-PATENT-4,033,133			US-PATENT-CLASS-244-161
			US-PATENT-CLASS-244-1R	NASA-CASE-NPO-14384-1			US-PATENT-CLASS-269-156
			US-PATENT-CLASS-244-163	US-PATENT-APPL-SN-880728			US-PATENT-CLASS-294-113
			US-PATENT-4,162,701	US-PATENT-CLASS-210-186			US-PATENT-CLASS-294-86R
N79-31706* #	c 43		NASA-CASE-MFS-23725-1	US-PATENT-CLASS-210-340			US-PATENT-CLASS-414-1
			US-PATENT-APPL-SN-848793	US-PATENT-CLASS-239-102			US-PATENT-4,173,324
			US-PATENT-CLASS-250-253	US-PATENT-CLASS-239-302	N80-14423* #	c 43	NASA-CASE-MFS-23720-2
			US-PATENT-CLASS-250-272	US-PATENT-CLASS-422-187			US-PATENT-APPL-SN-848421
			US-PATENT-4,165,460	US-PATENT-CLASS-422-199			US-PATENT-CLASS-73-12
N79-31752* #	c 44		NASA-CASE-NPO-14205-1	US-PATENT-CLASS-422-208			US-PATENT-CLASS-73-82
			US-PATENT-APPL-SN-920879	US-PATENT-CLASS-422-235			US-PATENT-4,157,655
			US-PATENT-CLASS-106-1	US-PATENT-CLASS-422-242	N80-14472* #	c 44	NASA-CASE-LEW-12586-1
			US-PATENT-CLASS-106-1.2	US-PATENT-CLASS-423-350			US-PATENT-APPL-SN-916655
			US-PATENT-CLASS-136-89CC	US-PATENT-4,169,129			US-PATENT-CLASS-307-63
			US-PATENT-CLASS-252-514	NASA-CASE-NPO-14192-1			US-PATENT-CLASS-307-66
			US-PATENT-CLASS-29-572	US-PATENT-APPL-SN-830562			US-PATENT-CLASS-323-15
			US-PATENT-CLASS-29-589	US-PATENT-CLASS-181-102			US-PATENT-CLASS-323-19
			US-PATENT-CLASS-357-30	US-PATENT-CLASS-181-105			US-PATENT-4,175,249
			US-PATENT-CLASS-357-65	US-PATENT-CLASS-367-26	N80-14473* #	c 44	NASA-CASE-MFS-23727-1
			US-PATENT-CLASS-357-67	US-PATENT-CLASS-467-28			US-PATENT-APPL-SN-856465

		US-PATENT-CLASS-126-438			US-PATENT-CLASS-219-201			US-PATENT-CLASS-343-18D
		US-PATENT-CLASS-126-442			US-PATENT-CLASS-219-522			US-PATENT-CLASS-343-5CM
		US-PATENT-CLASS-350-295			US-PATENT-4,176,662			US-PATENT-CLASS-343-5W
		US-PATENT-CLASS-350-296			NASA-CASE-FRC-11009-1			US-PATENT-4,184,155
N80-14474* #	c 44	US-PATENT-4,173,397	N80-18036* #	c 06	US-PATENT-APPL-SN-910708	N80-18550* #	c 44	NASA-CASE-NPO-14303-1
		NASA-CASE-NPO-13652-3			US-PATENT-CLASS-340-177VA			NASA-CASE-NPO-14305-1
		US-PATENT-APPL-SN-809890			US-PATENT-CLASS-73-188			US-PATENT-APPL-SN-928133
		US-PATENT-APPL-SN-891358			US-PATENT-CLASS-73-189			US-PATENT-CLASS-156-104
		US-PATENT-CLASS-136-89P			US-PATENT-CLASS-73-212			US-PATENT-CLASS-156-278
		US-PATENT-CLASS-29-572			US-PATENT-4,184,149			US-PATENT-CLASS-156-285
		US-PATENT-CLASS-29-588	N80-18039* #	c 07	NASA-CASE-LEW-12971-1			US-PATENT-CLASS-156-303
		US-PATENT-CLASS-29-627			US-PATENT-APPL-SN-858936			US-PATENT-CLASS-156-312
		US-PATENT-4,133,697			US-PATENT-CLASS-60-240	N80-18551* #	c 44	US-PATENT-4,184,903
N80-14579* #	c 45	US-PATENT-4,173,820			US-PATENT-CLASS-60-39.03			NASA-CASE-NPO-14096-1
		NASA-CASE-NPO-14340-1			US-PATENT-CLASS-60-39.27			US-PATENT-APPL-SN-928128
		US-PATENT-APPL-SN-946992			US-PATENT-4,184,327			US-PATENT-CLASS-324-158D
		US-PATENT-CLASS-210-57	N80-18097* #	c 20	NASA-CASE-MS-18179-1			US-PATENT-CLASS-324-404
		US-PATENT-CLASS-210-632			US-PATENT-APPL-SN-931218			US-PATENT-4,184,111
		US-PATENT-CLASS-422-9			US-PATENT-CLASS-60-632	N80-18552* #	c 44	NASA-CASE-LAR-11999-1
		US-PATENT-4,172,786			US-PATENT-4,183,217			US-PATENT-APPL-SN-876299
N80-14603* #	c 46	NASA-CASE-NPO-14124-1	N80-18231* #	c 31	NASA-CASE-NPO-14382-1			US-PATENT-CLASS-250-211K
		US-PATENT-APPL-SN-863024			US-PATENT-APPL-SN-891373			US-PATENT-CLASS-250-231SE
		US-PATENT-CLASS-343-100ME			US-PATENT-CLASS-261-118			US-PATENT-4,184,072
		US-PATENT-CLASS-343-112D			US-PATENT-CLASS-422-224	N80-18667* #	c 48	NASA-CASE-MFS-23862-1
		US-PATENT-4,170,776			US-PATENT-CLASS-423-350			US-PATENT-APPL-SN-951423
N80-14684* #	c 52	NASA-CASE-LEW-12955-1			US-PATENT-4,188,368			US-PATENT-CLASS-73-170A
		US-PATENT-APPL-SN-829318	N80-18252* #	c 32	NASA-CASE-NPO-14152-1			US-PATENT-4,184,368
		US-PATENT-CLASS-128-276			US-PATENT-APPL-SN-899828	N80-18690* #	c 52	NASA-CASE-LEW-12723-1
		US-PATENT-4,157,718			US-PATENT-CLASS-178-58R			US-PATENT-APPL-SN-829317
N80-14687* #	c 52	NASA-CASE-NPO-14101-1			US-PATENT-CLASS-179-15BA			US-PATENT-CLASS-128-276
		US-PATENT-APPL-SN-772434			US-PATENT-4,187,394			US-PATENT-CLASS-128-760
		US-PATENT-CLASS-210-22	N80-18253* #	c 32	NASA-CASE-NPO-14328-1			US-PATENT-4,184,491
		US-PATENT-CLASS-210-321B			NASA-CASE-NPO-14579-1	N80-18691* #	c 52	NASA-CASE-ARC-11120-1
		US-PATENT-4,094,775			NASA-CASE-NPO-14590-1			US-PATENT-APPL-SN-796256
N80-14877* #	c 72	NASA-CASE-NPO-14078-1			US-PATENT-APPL-SN-956160			US-PATENT-CLASS-128-748
		US-PATENT-APPL-SN-856466			US-PATENT-CLASS-325-305			US-PATENT-CLASS-128-903
		US-PATENT-CLASS-250-281			US-PATENT-CLASS-325-307			US-PATENT-CLASS-73-724
		US-PATENT-CLASS-250-282			US-PATENT-CLASS-325-419			US-PATENT-4,186,749
		US-PATENT-CLASS-250-423P			US-PATENT-4,186,347	N80-18951* #	c 76	NASA-CASE-GSC-12291-1
		US-PATENT-4,158,775	N80-18285* #	c 33	NASA-CASE-NPO-14229-1			US-PATENT-APPL-SN-906298
N80-16116* #	c 25	NASA-CASE-ARC-11107-1			US-PATENT-APPL-SN-835419			US-PATENT-CLASS-125-23R
		US-PATENT-APPL-SN-883961			US-PATENT-APPL-SN-949886			US-PATENT-CLASS-269-21
		US-PATENT-CLASS-521-124			US-PATENT-CLASS-200-153S			US-PATENT-CLASS-51-235
		US-PATENT-CLASS-521-125			US-PATENT-CLASS-200-304			US-PATENT-CLASS-83-152
		US-PATENT-CLASS-521-127			US-PATENT-CLASS-333-262			US-PATENT-CLASS-83-870
		US-PATENT-CLASS-521-157			US-PATENT-4,187,416	N80-19237* #	c 26	US-PATENT-4,184,472
		US-PATENT-CLASS-528-73	N80-18286* #	c 33	NASA-CASE-GSC-12347-1			NASA-CASE-MS-18172-1
		US-PATENT-4,177,333			US-PATENT-APPL-SN-868249			US-PATENT-APPL-SN-119334
N80-16158* #	c 27	NASA-CASE-LAR-12099-1			US-PATENT-CLASS-174-142	N80-20224* #	c 02	NASA-CASE-LAR-12261-1
		US-PATENT-APPL-SN-906299			US-PATENT-CLASS-174-73R			US-PATENT-APPL-SN-964009
		US-PATENT-CLASS-528-207			US-PATENT-4,185,164			US-PATENT-CLASS-73-147
		US-PATENT-CLASS-528-208	N80-18287* #	c 33	NASA-CASE-NPO-14224-1			US-PATENT-CLASS-73-205L
		US-PATENT-4,180,648			US-PATENT-APPL-SN-951829			US-PATENT-4,188,823
N80-16163* #	c 27	NASA-CASE-NPO-14021-2			US-PATENT-CLASS-310-306	N80-20334* #	c 25	NASA-CASE-NPO-14079-1
		US-PATENT-APPL-SN-106188			US-PATENT-CLASS-343-100R			US-PATENT-APPL-SN-958573
N80-16261* #	c 32	NASA-CASE-NPO-14362-1			US-PATENT-CLASS-343-100ST			US-PATENT-CLASS-250-307
		US-PATENT-APPL-SN-106118			US-PATENT-4,187,506			US-PATENT-CLASS-250-308
N80-16321* #	c 36	NASA-CASE-LAR-12176-1	N80-18357* #	c 35	NASA-CASE-NPO-14501-1			US-PATENT-4,194,115
		US-PATENT-APPL-SN-929083			US-PATENT-APPL-SN-918535	N80-20402* #	c 28	NASA-CASE-LEW-12081-2
		US-PATENT-CLASS-332-751			US-PATENT-CLASS-264-40.4			US-PATENT-APPL-SN-676432
		US-PATENT-CLASS-350-359			US-PATENT-CLASS-73-343R			US-PATENT-APPL-SN-837794
		US-PATENT-CLASS-356-243			US-PATENT-CLASS-73-56			US-PATENT-CLASS-149-1
		US-PATENT-CLASS-356-28			US-PATENT-4,185,493			US-PATENT-CLASS-423-648R
		US-PATENT-4,176,950	N80-18358* #	c 35	NASA-CASE-LAR-12269-1			US-PATENT-4,193,827
N80-16452* #	c 44	NASA-CASE-MFS-23518-3			US-PATENT-APPL-SN-934576	N80-20448* #	c 32	NASA-CASE-NPO-14480-1
		US-PATENT-APPL-SN-829390			US-PATENT-CLASS-73-4R			US-PATENT-APPL-SN-910707
		US-PATENT-APPL-SN-910793			US-PATENT-CLASS-73-40			US-PATENT-CLASS-325-14
		US-PATENT-CLASS-126-417			US-PATENT-4,182,158			US-PATENT-CLASS-325-4
		US-PATENT-CLASS-126-901	N80-18359* #	c 35	NASA-CASE-GSC-12219-1			US-PATENT-CLASS-325-8
		US-PATENT-CLASS-428-629			US-PATENT-APPL-SN-891356			US-PATENT-CLASS-325-9
		US-PATENT-CLASS-428-650			US-PATENT-CLASS-325-363			US-PATENT-4,189,675
		US-PATENT-CLASS-428-658			US-PATENT-CLASS-343-100ME	N80-20487* #	c 33	NASA-CASE-LEW-13148-1
		US-PATENT-CLASS-428-675			US-PATENT-CLASS-356-216			US-PATENT-APPL-SN-964754
		US-PATENT-CLASS-428-680			US-PATENT-CLASS-73-355R			US-PATENT-CLASS-429-101
		US-PATENT-4,104,134			US-PATENT-4,178,100			US-PATENT-CLASS-429-105
		US-PATENT-4,177,325	N80-18364* #	c 35	NASA-CASE-NPO-13606-2			US-PATENT-CLASS-429-107
N80-16714* #	c 51	NASA-CASE-MS-16260-1			US-PATENT-APPL-SN-065676			US-PATENT-CLASS-429-109
		US-PATENT-APPL-SN-876440	N80-18372* #	c 36	NASA-CASE-NPO-14254-1	N80-20559* #	c 35	US-PATENT-4,192,910
		US-PATENT-CLASS-23-927			US-PATENT-APPL-SN-876432			NASA-CASE-LAR-12304-1
		US-PATENT-CLASS-422-52			US-PATENT-CLASS-330-4			US-PATENT-APPL-SN-928130
		US-PATENT-CLASS-435-34			US-PATENT-CLASS-331-94			US-PATENT-CLASS-29-25.35
		US-PATENT-4,176,007			US-PATENT-CLASS-333-24R			US-PATENT-CLASS-310-311
N80-16715* #	c 51	NASA-CASE-MFS-23883-1			US-PATENT-4,187,470			US-PATENT-CLASS-310-327
		US-PATENT-APPL-SN-017888	N80-18393* #	c 37	NASA-CASE-ARC-11157-1			US-PATENT-CLASS-310-334
		US-PATENT-CLASS-204-180R			US-PATENT-APPL-SN-935827			US-PATENT-CLASS-310-360
		US-PATENT-CLASS-204-299R			US-PATENT-CLASS-220-423			US-PATENT-4,195,244
		US-PATENT-CLASS-424-12			US-PATENT-CLASS-220-445	N80-20560* #	c 35	NASA-CASE-FRC-10093-1
		US-PATENT-4,181,589			US-PATENT-CLASS-220-901			US-PATENT-APPL-SN-878539
N80-16725* #	c 52	NASA-CASE-NPO-14092-1			US-PATENT-4,184,609			US-PATENT-CLASS-219-85CA
		US-PATENT-APPL-SN-807597	N80-18400* #	c 37	NASA-CASE-NPO-12131-3			US-PATENT-CLASS-219-85CM
		US-PATENT-CLASS-128-DIG.9			US-PATENT-APPL-SN-096255			US-PATENT-CLASS-219-85R
		US-PATENT-CLASS-128-348	N80-18402* #	c 37	NASA-CASE-LAR-11695-2			US-PATENT-CLASS-338-2
		US-PATENT-CLASS-128-6			US-PATENT-APPL-SN-103836			US-PATENT-4,195,279
		US-PATENT-CLASS-138-103	N80-18498* #	c 43	NASA-CASE-LAR-12344-1	N80-20563* #	c 35	NASA-CASE-NPO-14093-1
		US-PATENT-CLASS-138-133			US-PATENT-APPL-SN-945041			US-PATENT-APPL-SN-880729
		US-PATENT-CLASS-138-33			US-PATENT-CLASS-343-18B			US-PATENT-CLASS-356-346

ACCESSION NUMBER INDEX

N80-28687

N80-20808* #	c 44	US-PATENT-4,193,693 NASA-CASE-NPO-14237-1 US-PATENT-APPL-SN-897831 US-PATENT-CLASS-126-263 US-PATENT-CLASS-149-15 US-PATENT-CLASS-149-37 US-PATENT-CLASS-220-429 US-PATENT-4,193,388	N80-23655* #	c 37	NASA-CASE-GSC-12318-1 US-PATENT-APPL-SN-894213 US-PATENT-CLASS-219-160 US-PATENT-CLASS-219-161 US-PATENT-CLASS-228-212 US-PATENT-CLASS-228-222 US-PATENT-CLASS-228-44.1R US-PATENT-CLASS-269-287 US-PATENT-4,196,840	N80-26599* #	c 33	US-PATENT-CLASS-8-DIG.12 US-PATENT-CLASS-8-DIG.18 US-PATENT-CLASS-8-115.5 US-PATENT-4,203,723 NASA-CASE-FRC-10113-1 US-PATENT-APPL-SN-885066 US-PATENT-CLASS-324-51 US-PATENT-4,204,154
N80-20810* #	c 44	NASA-CASE-LAR-12205-1 US-PATENT-APPL-SN-900843 US-PATENT-CLASS-126-419 US-PATENT-CLASS-126-434 US-PATENT-CLASS-126-437 US-PATENT-CLASS-165-32 US-PATENT-4,192,290	N80-23711* #	c 43	NASA-CASE-MFS-23720-1 US-PATENT-APPL-SN-848419 US-PATENT-CLASS-73-12 US-PATENT-CLASS-73-82 US-PATENT-4,195,512	N80-26635* #	c 35	NASA-CASE-NPO-14372-1 US-PATENT-APPL-SN-646333 US-PATENT-APPL-SN-956529 US-PATENT-CLASS-250-338 US-PATENT-CLASS-250-352 US-PATENT-CLASS-250-353 US-PATENT-CLASS-356-328 US-PATENT-4,205,229
N80-21138* #	c 74	NASA-CASE-LAR-12178-1 US-PATENT-APPL-SN-953390 US-PATENT-CLASS-350-25 US-PATENT-CLASS-350-285 US-PATENT-CLASS-356-150 US-PATENT-CLASS-356-152 US-PATENT-4,189,234	N80-23969* #	c 52	NASA-CASE-FRC-11012-1 US-PATENT-APPL-SN-928137 US-PATENT-CLASS-128-666 US-PATENT-CLASS-128-690 US-PATENT-4,198,988	N80-26658* #	c 37	NASA-CASE-LEW-12131-2 US-PATENT-APPL-SN-801290 US-PATENT-APPL-SN-931090 US-PATENT-CLASS-415-174 US-PATENT-CLASS-415-196 US-PATENT-4,135,851 US-PATENT-4,207,024
N80-21140* #	c 74	NASA-CASE-GSC-12357-1 US-PATENT-APPL-SN-943089 US-PATENT-CLASS-250-277CH US-PATENT-CLASS-250-280 US-PATENT-CLASS-350-162R US-PATENT-CLASS-356-334 US-PATENT-4,192,994	N80-24149* #	c 74	NASA-CASE-GSC-12348-1 US-PATENT-APPL-SN-929088 US-PATENT-CLASS-51-277 US-PATENT-CLASS-51-283R US-PATENT-CLASS-65-61 US-PATENT-4,198,788	N80-27067* #	c 51	NASA-CASE-MSC-16777-1 US-PATENT-APPL-SN-893657 US-PATENT-CLASS-204-195B US-PATENT-CLASS-23-230B US-PATENT-CLASS-422-68 US-PATENT-CLASS-435-289 US-PATENT-CLASS-435-290 US-PATENT-CLASS-435-291 US-PATENT-CLASS-435-3 US-PATENT-CLASS-435-311 US-PATENT-CLASS-435-316 US-PATENT-CLASS-435-32 US-PATENT-CLASS-435-34 US-PATENT-CLASS-435-38 US-PATENT-CLASS-435-39 US-PATENT-4,204,037
N80-21719* #	c 35	NASA-CASE-GSC-12273-1 US-PATENT-APPL-SN-897830 US-PATENT-CLASS-244-165 US-PATENT-CLASS-244-170 US-PATENT-4,193,570	N80-24437* #	c 27	NASA-CASE-LEW-13027-1 US-PATENT-APPL-SN-958575 US-PATENT-CLASS-427-164 US-PATENT-CLASS-427-38 US-PATENT-CLASS-427-40 US-PATENT-CLASS-428-421 US-PATENT-CLASS-428-474 US-PATENT-4,199,650	N80-27072* #	c 52	NASA-CASE-NPO-14212-1 US-PATENT-APPL-SN-838308 US-PATENT-CLASS-128-642 US-PATENT-CLASS-128-774 US-PATENT-CLASS-128-782 US-PATENT-CLASS-33-125R US-PATENT-CLASS-338-2 US-PATENT-CLASS-73-781 US-PATENT-4,204,544
N80-21828* #	c 44	NASA-CASE-MFS-23515-1 US-PATENT-APPL-SN-880726 US-PATENT-CLASS-415-101 US-PATENT-CLASS-415-2 US-PATENT-4,191,505	N80-24438* #	c 27	NASA-CASE-MSC-14903-3 US-PATENT-APPL-SN-706424 US-PATENT-APPL-SN-907479 US-PATENT-CLASS-260-DIG.29 US-PATENT-CLASS-525-326 US-PATENT-CLASS-525-336 US-PATENT-CLASS-525-340 US-PATENT-CLASS-525-374 US-PATENT-CLASS-525-375 US-PATENT-CLASS-526-261 US-PATENT-CLASS-526-275 US-PATENT-CLASS-526-276 US-PATENT-CLASS-526-278 US-PATENT-CLASS-528-481 US-PATENT-4,200,721	N80-27163* #	c 72	NASA-CASE-NPO-14324-1 US-PATENT-APPL-SN-940970 US-PATENT-CLASS-250-427 US-PATENT-CLASS-313-156 US-PATENT-CLASS-313-362 US-PATENT-CLASS-313-363 US-PATENT-4,206,383
N80-23383* #	c 25	NASA-CASE-ARC-11154-1 US-PATENT-APPL-SN-921626 US-PATENT-CLASS-521-146 US-PATENT-CLASS-521-55 US-PATENT-CLASS-521-918 US-PATENT-CLASS-525-4 US-PATENT-CLASS-55-66 US-PATENT-CLASS-55-67 US-PATENT-CLASS-55-68 US-PATENT-CLASS-55-72 US-PATENT-4,198,792	N80-24510* #	c 32	NASA-CASE-NPO-14524-1 NASA-CASE-NPO-14527-1 US-PATENT-APPL-SN-957452 US-PATENT-CLASS-350-294 US-PATENT-CLASS-350-6.5 US-PATENT-CLASS-350-6.6 US-PATENT-CLASS-356-28.5 US-PATENT-4,201,468	N80-27185* #	c 74	NASA-CASE-LAR-12251-1 US-PATENT-APPL-SN-953389 US-PATENT-CLASS-350-175E US-PATENT-CLASS-350-226 US-PATENT-4,206,970
N80-23419* #	c 26	NASA-CASE-MFS-23816-1 US-PATENT-APPL-SN-974292 US-PATENT-CLASS-148-32 US-PATENT-CLASS-75-135 US-PATENT-CLASS-75-138 US-PATENT-CLASS-75-178R US-PATENT-4,198,232	N80-24573* #	c 34	NASA-CASE-LEW-12441-2 US-PATENT-APPL-SN-559846 US-PATENT-APPL-SN-856462 US-PATENT-CLASS-239-127.1 US-PATENT-CLASS-60-267 US-PATENT-4,199,937	N80-28300* #	c 02	NASA-CASE-FRC-11024-1 US-PATENT-APPL-SN-015983 US-PATENT-CLASS-73-180 US-PATENT-CLASS-73-182 US-PATENT-CLASS-73-861.65 US-PATENT-CLASS-73-861.66 US-PATENT-4,212,199
N80-23452* #	c 27	NASA-CASE-ARC-10980-1 US-PATENT-APPL-SN-694407 US-PATENT-CLASS-204-171 US-PATENT-CLASS-210-23H US-PATENT-CLASS-210-500M US-PATENT-CLASS-427-245 US-PATENT-CLASS-427-41 US-PATENT-4,199,448	N80-24741* #	c 44	NASA-CASE-NPO-14635-1 US-PATENT-APPL-SN-008212 US-PATENT-CLASS-136-89SG US-PATENT-CLASS-156-DIG.64 US-PATENT-CLASS-156-605 US-PATENT-CLASS-156-617SP US-PATENT-CLASS-252-62.3E US-PATENT-4,210,622	N80-28492* #	c 26	NASA-CASE-LAR-11821-1 US-PATENT-APPL-SN-023501 US-PATENT-CLASS-148-131 US-PATENT-CLASS-266-119 US-PATENT-CLASS-266-249 US-PATENT-CLASS-266-274 US-PATENT-4,212,690
N80-23471* #	c 28	NASA-CASE-NPO-14109-1 US-PATENT-APPL-SN-946990 US-PATENT-CLASS-149-108.4 US-PATENT-CLASS-23-300 US-PATENT-CLASS-23-302A US-PATENT-CLASS-23-302R US-PATENT-CLASS-23-302T US-PATENT-4,198,209	N80-24906* #	c 46	NASA-CASE-NPO-14558-1 US-PATENT-APPL-SN-945436 US-PATENT-CLASS-73-155 US-PATENT-4,196,619	N80-28536* #	c 28	NASA-CASE-NPO-14477-1 US-PATENT-APPL-SN-951830 US-PATENT-CLASS-149-19.2 US-PATENT-CLASS-149-19.9 US-PATENT-CLASS-149-20 US-PATENT-4,210,474
N80-23524* #	c 32	NASA-CASE-NPO-14519-1 US-PATENT-APPL-SN-008207 US-PATENT-CLASS-343-786 US-PATENT-CLASS-343-895 US-PATENT-4,199,764	N80-26298* #	c 07	NASA-CASE-ARC-10814-2 US-PATENT-APPL-SN-684045 US-PATENT-APPL-SN-831632 US-PATENT-CLASS-60-39.06 US-PATENT-CLASS-60-733 US-PATENT-CLASS-60-746 US-PATENT-4,204,402	N80-28578* #	c 32	NASA-CASE-GSC-12365-1 US-PATENT-APPL-SN-039031 US-PATENT-CLASS-343-100SA US-PATENT-CLASS-343-844 US-PATENT-CLASS-343-854 US-PATENT-4,213,131
N80-23559* #	c 33	NASA-CASE-NPO-13804-1 US-PATENT-APPL-SN-766999 US-PATENT-CLASS-310-319 US-PATENT-CLASS-331-65 US-PATENT-CLASS-340-602 US-PATENT-CLASS-340-604 US-PATENT-4,197,530	N80-26388* #	c 24	NASA-CASE-MFS-23626-1 US-PATENT-APPL-SN-941711 US-PATENT-CLASS-156-212 US-PATENT-CLASS-156-213 US-PATENT-CLASS-156-285 US-PATENT-CLASS-260-17.2 US-PATENT-CLASS-264-118 US-PATENT-CLASS-264-119 US-PATENT-CLASS-264-124 US-PATENT-4,204,899	N80-28686* #	c 35	NASA-CASE-LAR-11370-1 US-PATENT-APPL-SN-940689 US-PATENT-CLASS-250-457 US-PATENT-CLASS-250-491 US-PATENT-CLASS-250-513 US-PATENT-4,213,051
N80-23653* #	c 37	NASA-CASE-MSC-16938-1 US-PATENT-APPL-SN-938582 US-PATENT-CLASS-151-41.76 US-PATENT-4,193,435	N80-26446* #	c 27	NASA-CASE-MSC-16074-1 US-PATENT-APPL-SN-747674 US-PATENT-CLASS-204-159.15 US-PATENT-CLASS-204-159.19 US-PATENT-CLASS-525-426	N80-28687* #	c 35	NASA-CASE-LAR-12285-1 US-PATENT-APPL-SN-929087 US-PATENT-CLASS-356-244 US-PATENT-CLASS-356-369
N80-23654* #	c 37	NASA-CASE-NPO-14473-1 US-PATENT-APPL-SN-938300 US-PATENT-CLASS-137-375 US-PATENT-CLASS-137-625.4 US-PATENT-CLASS-251-138 US-PATENT-CLASS-251-86 US-PATENT-4,195,666						

N80-28711* #	c 37	US-PATENT-4,210,401 NASA-CASE-LEW-12119-1 US-PATENT-APPL-SN-672219 US-PATENT-CLASS-277-153 US-PATENT-CLASS-277-193 US-PATENT-CLASS-277-224 US-PATENT-4,212,477
N80-29539* #	c 32	NASA-CASE-LAR-11745-1 US-PATENT-APPL-SN-799025 US-PATENT-CLASS-343-786 US-PATENT-4,089,004
N80-29583* #	c 33	NASA-CASE-FRC-11055-1 US-PATENT-APPL-SN-172098
N80-29703* #	c 37	NASA-CASE-NPO-14406-1 US-PATENT-APPL-SN-951828 US-PATENT-CLASS-125-21 US-PATENT-CLASS-83-820 US-PATENT-4,191,159
N80-29834* #	c 44	NASA-CASE-LAR-11551-1 US-PATENT-APPL-SN-883090 US-PATENT-CLASS-290-53 US-PATENT-CLASS-310-30 US-PATENT-4,191,893
N80-29835* #	c 44	NASA-CASE-NPO-13786-1 US-PATENT-APPL-SN-696374 US-PATENT-CLASS-148-1.5 US-PATENT-CLASS-357-30 US-PATENT-CLASS-357-52 US-PATENT-CLASS-357-91 US-PATENT-4,090,213
N80-31790* #	c 37	NASA-CASE-LEW-12274-1 US-PATENT-APPL-SN-950876 US-PATENT-CLASS-417-383 US-PATENT-CLASS-60-520 US-PATENT-4,215,548
N80-32244* #	c 76	NASA-CASE-NPO-14298-1 US-PATENT-APPL-SN-938579 US-PATENT-CLASS-156-DIG.96 US-PATENT-CLASS-422-246 US-PATENT-4,216,186
N80-32245* #	c 76	NASA-CASE-NPO-14295-1 US-PATENT-APPL-SN-901055 US-PATENT-CLASS-156-DIG.64 US-PATENT-CLASS-156-DIG.88 US-PATENT-CLASS-156-601 US-PATENT-CLASS-156-617SP US-PATENT-4,217,165
N80-32359* #	c 04	NASA-CASE-NPO-14173-1 US-PATENT-APPL-SN-938581 US-PATENT-CLASS-343-112R US-PATENT-4,215,345
N80-32392* #	c 07	NASA-CASE-ARC-10977-1 US-PATENT-APPL-SN-023436 US-PATENT-CLASS-239-127.3 US-PATENT-CLASS-239-265.33 US-PATENT-CLASS-60-264 US-PATENT-4,214,703
N80-32484* #	c 26	NASA-CASE-LEW-12542-3 US-PATENT-APPL-SN-007083 US-PATENT-APPL-SN-803822 US-PATENT-CLASS-75-124 US-PATENT-4,214,902
N80-32514* #	c 27	NASA-CASE-NPO-13137-1 US-PATENT-APPL-SN-332123 US-PATENT-APPL-SN-374810 US-PATENT-CLASS-568-852 US-PATENT-CLASS-568-861 US-PATENT-4,118,427
N80-32515* #	c 27	NASA-CASE-NPO-13899-1 US-PATENT-APPL-SN-761252 US-PATENT-APPL-SN-933186 US-PATENT-CLASS-260-346.3 US-PATENT-4,196,129
N80-32516* #	c 27	NASA-CASE-LEW-13103-1 US-PATENT-APPL-SN-971596 US-PATENT-CLASS-156-272 US-PATENT-CLASS-156-292 US-PATENT-CLASS-204-159.11 US-PATENT-CLASS-204-159.14 US-PATENT-CLASS-264-212 US-PATENT-CLASS-264-22 US-PATENT-CLASS-427-44 US-PATENT-CLASS-428-500 US-PATENT-CLASS-429-139 US-PATENT-4,218,280
N80-32583* #	c 31	NASA-CASE-GSC-12191-1 US-PATENT-APPL-SN-009886 US-PATENT-CLASS-165-16 US-PATENT-CLASS-236-13 US-PATENT-CLASS-236-44C US-PATENT-CLASS-236-49 US-PATENT-4,210,278
N80-32584* #	c 31	NASA-CASE-NPO-14191-1 US-PATENT-APPL-SN-830846 US-PATENT-CLASS-181-102 US-PATENT-CLASS-367-27
N80-32604* #	c 32	US-PATENT-CLASS-367-36 US-PATENT-CLASS-367-57 US-PATENT-4,214,226 NASA-CASE-MSC-18334-1 US-PATENT-APPL-SN-051270 US-PATENT-CLASS-343-700MS US-PATENT-CLASS-343-830 US-PATENT-4,218,682
N80-32605* #	c 32	NASA-CASE-NPO-14253-1 NASA-CASE-NPO-14640-1 US-PATENT-APPL-SN-938293 US-PATENT-CLASS-333-12 US-PATENT-CLASS-333-252 US-PATENT-CLASS-333-99S US-PATENT-4,215,327
N80-32650* #	c 33	NASA-CASE-NPO-14424-1 NASA-CASE-NPO-14430-1 US-PATENT-APPL-SN-918534 US-PATENT-CLASS-324-62 US-PATENT-CLASS-324-64 US-PATENT-4,218,650
N80-32716* #	c 37	NASA-CASE-MFS-23777-1 US-PATENT-APPL-SN-931217 US-PATENT-CLASS-318-15 US-PATENT-CLASS-74-425 US-PATENT-CLASS-74-661 US-PATENT-CLASS-74-665C US-PATENT-4,215,592
N80-32717* #	c 37	NASA-CASE-GSC-12289-1 US-PATENT-APPL-SN-943086 US-PATENT-CLASS-198-847 US-PATENT-CLASS-198-848 US-PATENT-CLASS-474-205 US-PATENT-4,215,590
N80-33081* #	c 52	NASA-CASE-ARC-11258-1 US-PATENT-APPL-SN-185865
N80-33186* #	c 72	NASA-CASE-LEW-12940-1 US-PATENT-APPL-SN-953391 US-PATENT-CLASS-313-231.4 US-PATENT-CLASS-313-362 US-PATENT-4,218,633
N80-33210* #	c 74	NASA-CASE-MSC-18255-1 US-PATENT-APPL-SN-025163 US-PATENT-CLASS-250-347 US-PATENT-CLASS-250-352 US-PATENT-CLASS-250-353 US-PATENT-CLASS-350-55 US-PATENT-CLASS-356-72 US-PATENT-4,215,273
N80-33482* #	c 24	NASA-CASE-LEW-11930-3 US-PATENT-APPL-SN-513611 US-PATENT-APPL-SN-616528 US-PATENT-APPL-SN-764245 US-PATENT-CLASS-75-200 US-PATENT-CLASS-75-222 US-PATENT-4,214,905
N81-12330* #	c 33	NASA-CASE-MFS-25535-1 US-PATENT-APPL-SN-199765
N81-12542* #	c 44	NASA-CASE-LEW-12806-2 US-PATENT-APPL-SN-065676 US-PATENT-APPL-SN-915050 US-PATENT-CLASS-136-249 US-PATENT-CLASS-136-291 US-PATENT-CLASS-363-147 US-PATENT-CLASS-363-27 US-PATENT-CLASS-363-60 US-PATENT-4,217,633
N81-13999* #	c 24	NASA-CASE-ARC-11174-1 US-PATENT-APPL-SN-029086 US-PATENT-CLASS-260-17.2 US-PATENT-CLASS-428-114 US-PATENT-CLASS-428-528 US-PATENT-CLASS-428-541 US-PATENT-CLASS-428-921 US-PATENT-4,209,561
N81-14000* #	c 24	NASA-CASE-LAR-12065-1 US-PATENT-APPL-SN-889671 US-PATENT-CLASS-156-330 US-PATENT-CLASS-428-113 US-PATENT-CLASS-428-114 US-PATENT-CLASS-428-140 US-PATENT-CLASS-428-413 US-PATENT-CLASS-428-480 US-PATENT-CLASS-428-902 US-PATENT-4,229,473
N81-14015* #	c 25	NASA-CASE-NPO-14143-1 US-PATENT-APPL-SN-938297 US-PATENT-CLASS-250-343 US-PATENT-CLASS-356-437 US-PATENT-4,234,258
N81-14016* #	c 25	NASA-CASE-ARC-11241-1 US-PATENT-APPL-SN-037066 US-PATENT-CLASS-260-33.8F US-PATENT-CLASS-528-362 US-PATENT-CLASS-528-401 US-PATENT-CLASS-528-422
N81-14076* #	c 27	US-PATENT-4,234,715 NASA-CASE-NPO-14001-1 US-PATENT-APPL-SN-771245 US-PATENT-CLASS-210-24R US-PATENT-CLASS-260-17A US-PATENT-CLASS-260-2.1E US-PATENT-CLASS-260-858 US-PATENT-CLASS-260-886 US-PATENT-CLASS-260-8900 US-PATENT-CLASS-260-895 US-PATENT-CLASS-260-898 US-PATENT-CLASS-260-901 US-PATENT-CLASS-521-27 US-PATENT-CLASS-521-32 US-PATENT-CLASS-521-62 US-PATENT-4,119,581
N81-14077* #	c 27	NASA-CASE-MSC-12631-3 US-PATENT-APPL-SN-006952 US-PATENT-APPL-SN-568541 US-PATENT-APPL-SN-785279 US-PATENT-CLASS-156-154 US-PATENT-CLASS-156-160 US-PATENT-CLASS-156-163 US-PATENT-CLASS-156-212 US-PATENT-CLASS-156-267 US-PATENT-CLASS-156-295 US-PATENT-CLASS-156-323 US-PATENT-CLASS-156-331 US-PATENT-4,032,089 US-PATENT-4,225,372
N81-14078* #	c 27	NASA-CASE-LAR-12054-2 US-PATENT-APPL-SN-011737 US-PATENT-APPL-SN-839963 US-PATENT-CLASS-264-137 US-PATENT-CLASS-427-385.5 US-PATENT-CLASS-427-429 US-PATENT-CLASS-428-473.5 US-PATENT-4,166,170 US-PATENT-4,233,258
N81-14103* #	c 28	NASA-CASE-LEW-12081-3 US-PATENT-APPL-SN-009887 US-PATENT-APPL-SN-676432 US-PATENT-APPL-SN-837794 US-PATENT-CLASS-149-1 US-PATENT-CLASS-156-344 US-PATENT-CLASS-423-648R US-PATENT-CLASS-44-7R US-PATENT-CLASS-55-2 US-PATENT-CLASS-62-12 US-PATENT-CLASS-62-18 US-PATENT-CLASS-62-40 US-PATENT-CLASS-62-47 US-PATENT-4,077,788 US-PATENT-4,193,827 US-PATENT-4,229,196
N81-14137* #	c 31	NASA-CASE-KSC-11064-1 US-PATENT-APPL-SN-897840 US-PATENT-CLASS-169-62 US-PATENT-CLASS-169-70 US-PATENT-4,219,084
N81-14185* #	c 32	NASA-CASE-NPO-14536-1 US-PATENT-APPL-SN-974471 US-PATENT-CLASS-343-100TD US-PATENT-4,233,606
N81-14186* #	c 32	NASA-CASE-NPO-14749-1 US-PATENT-APPL-SN-078521 US-PATENT-CLASS-375-107 US-PATENT-CLASS-455-51 US-PATENT-CLASS-455-619 US-PATENT-CLASS-455-71 US-PATENT-4,234,971
N81-14187* #	c 32	NASA-CASE-MSC-16800-1 US-PATENT-APPL-SN-953313 US-PATENT-CLASS-343-727 US-PATENT-CLASS-343-789 US-PATENT-CLASS-343-797 US-PATENT-4,218,685
N81-14220* #	c 33	NASA-CASE-NPO-14163-1 US-PATENT-APPL-SN-878541 US-PATENT-CLASS-363-56 US-PATENT-CLASS-363-71 US-PATENT-CLASS-363-78 US-PATENT-4,222,098
N81-14221* #	c 33	NASA-CASE-GSC-12411-1 US-PATENT-APPL-SN-965367 US-PATENT-CLASS-340-309.4 US-PATENT-CLASS-340-310A US-PATENT-CLASS-340-310R US-PATENT-CLASS-340-870.24 US-PATENT-CLASS-368-47 US-PATENT-CLASS-370-85 US-PATENT-4,228,422
N81-14287* #	c 35	NASA-CASE-NPO-14513-1 US-PATENT-APPL-SN-025162 US-PATENT-CLASS-165-105 US-PATENT-CLASS-62-514R

- N81-14317* # c 37 US-PATENT-4,218,892
NASA-CASE-MSC-16973-1
US-PATENT-APPL-SN-969756
US-PATENT-CLASS-150-11
US-PATENT-CLASS-156-294
US-PATENT-CLASS-52-232
US-PATENT-CLASS-52-743
US-PATENT-4,235,060
- N81-14318* # c 37 NASA-CASE-NPO-14220-1
US-PATENT-APPL-SN-907421
US-PATENT-CLASS-60-518
US-PATENT-CLASS-74-417
US-PATENT-4,228,656
- N81-14319* # c 37 NASA-CASE-LAR-11855-1
US-PATENT-APPL-SN-953314
US-PATENT-CLASS-407-117
US-PATENT-CLASS-407-85
US-PATENT-CLASS-408-1R
US-PATENT-CLASS-82-1.2
US-PATENT-CLASS-82-1C
US-PATENT-CLASS-82-36R
US-PATENT-4,218,941
- N81-14320* # c 37 NASA-CASE-GSC-12429-1
US-PATENT-APPL-SN-009888
US-PATENT-CLASS-244-161
US-PATENT-CLASS-294-106
US-PATENT-CLASS-414-1
US-PATENT-4,219,171
- N81-14389* # c 44 NASA-CASE-NPO-14416-1
US-PATENT-APPL-SN-014664
US-PATENT-CLASS-29-DIG.1
US-PATENT-CLASS-29-832
US-PATENT-4,219,926
- N81-14605* # c 51 NASA-CASE-ARC-11114-1
US-PATENT-APPL-SN-951422
US-PATENT-CLASS-128-DIG.12
US-PATENT-CLASS-128-DIG.16
US-PATENT-CLASS-128-DIG.26
US-PATENT-CLASS-128-DIG.6
US-PATENT-CLASS-128-DIG.9
US-PATENT-CLASS-128-204.18
US-PATENT-CLASS-128-207.14
US-PATENT-CLASS-128-207.28
US-PATENT-CLASS-128-236
US-PATENT-4,212,297
- N81-14612* # c 52 NASA-CASE-ARC-11117-1
US-PATENT-APPL-SN-003693
US-PATENT-CLASS-128-642
US-PATENT-4,219,027
- N81-14613* # c 52 NASA-CASE-ARC-11118-2
US-PATENT-APPL-SN-850504
US-PATENT-APPL-SN-974476
US-PATENT-CLASS-424-274
US-PATENT-4,230,717
- N81-14968* # c 02 NASA-CASE-LAR-12326-1
US-PATENT-APPL-SN-019541
US-PATENT-CLASS-102-56R
US-PATENT-CLASS-102-92.1
US-PATENT-CLASS-244-119
US-PATENT-CLASS-244-130
US-PATENT-4,225,102
- N81-14999* # c 07 NASA-CASE-LEW-13201-1
US-PATENT-APPL-SN-038980
US-PATENT-CLASS-137-15.1
US-PATENT-CLASS-181-214
US-PATENT-4,220,171
- N81-15104* # c 27 NASA-CASE-NPO-10830-1
US-PATENT-APPL-SN-825489
US-PATENT-CLASS-117-6
US-PATENT-CLASS-138.8R
US-PATENT-CLASS-260-33.6UB
US-PATENT-CLASS-33.8UB
US-PATENT-CLASS-37N
US-PATENT-CLASS-41R
US-PATENT-CLASS-77.5AQ
US-PATENT-CLASS-77.5CH
US-PATENT-CLASS-859R
US-PATENT-CLASS-94.9N
US-PATENT-3,655,814
- N81-15119* # c 28 NASA-CASE-NPO-14110-1
US-PATENT-APPL-SN-947000
US-PATENT-CLASS-149-108.4
US-PATENT-CLASS-23-293R
US-PATENT-CLASS-252-364
US-PATENT-CLASS-260-96D
US-PATENT-CLASS-423-1
US-PATENT-CLASS-423-131
US-PATENT-CLASS-423-658.5
US-PATENT-CLASS-525-384
US-PATENT-CLASS-526-914
US-PATENT-CLASS-75-25
US-PATENT-4,229,182
- N81-15154* # c 31 NASA-CASE-NPO-13758-2
US-PATENT-APPL-SN-623389
US-PATENT-APPL-SN-727444
US-PATENT-CLASS-110-218
- N81-15179* # c 32 NASA-CASE-MSC-18035-1
US-PATENT-APPL-SN-041142
US-PATENT-CLASS-375-1
US-PATENT-CLASS-375-115
US-PATENT-CLASS-375-58
US-PATENT-4,221,005
- N81-15192* # c 33 NASA-CASE-NPO-14444-1
US-PATENT-APPL-SN-017890
US-PATENT-CLASS-332-22
US-PATENT-CLASS-332-23R
US-PATENT-CLASS-375-54
US-PATENT-CLASS-375-67
US-PATENT-CLASS-455-102
US-PATENT-4,216,542
- N81-15363* # c 37 NASA-CASE-MSC-18134-1
US-PATENT-APPL-SN-974472
US-PATENT-CLASS-277-181
US-PATENT-CLASS-277-229
US-PATENT-4,219,203
- N81-15364* # c 37 NASA-CASE-NPO-14170-1
US-PATENT-APPL-SN-860404
US-PATENT-CLASS-188-134
US-PATENT-CLASS-188-180
US-PATENT-CLASS-188-184
US-PATENT-CLASS-244-173
US-PATENT-4,219,107
- N81-15706* # c 60 NASA-CASE-NPO-14162-1
NASA-CASE-NPO-14167-1
NASA-CASE-NPO-14169-1
US-PATENT-APPL-SN-893903
US-PATENT-CLASS-307-219
US-PATENT-CLASS-307-225R
US-PATENT-CLASS-307-269
US-PATENT-CLASS-307-291
US-PATENT-CLASS-328-192
US-PATENT-CLASS-328-48
US-PATENT-CLASS-328-71
US-PATENT-4,213,064
- N81-15767* # c 71 NASA-CASE-MFS-25050-1
US-PATENT-APPL-SN-057466
US-PATENT-CLASS-308-10
US-PATENT-CLASS-73-505
US-PATENT-4,218,921
- N81-16209* # c 26 NASA-CASE-LEW-23169-2
US-PATENT-APPL-SN-191746
- N81-17057* # c 06 NASA-CASE-FRC-11029-1
US-PATENT-APPL-SN-164617
US-PATENT-CLASS-73-147
US-PATENT-CLASS-73-178R
US-PATENT-4,240,290
- N81-17170* # c 24 NASA-CASE-LEW-12493-1
US-PATENT-APPL-SN-893857
US-PATENT-CLASS-156-292
US-PATENT-CLASS-228-118
US-PATENT-CLASS-228-170
US-PATENT-CLASS-228-174
US-PATENT-CLASS-228-190
US-PATENT-4,211,354
- N81-17187* # c 25 NASA-CASE-NPO-13530-1
US-PATENT-CLASS-210-500M
US-PATENT-CLASS-260-2.1
US-PATENT-CLASS-260-2.2R
US-PATENT-4,014,798
- N81-17259* # c 27 NASA-CASE-ARC-11248-1
US-PATENT-APPL-SN-028300
US-PATENT-CLASS-528-362
US-PATENT-CLASS-528-401
US-PATENT-CLASS-528-422
US-PATENT-CLASS-528-423
US-PATENT-4,242,498
- N81-17260* # c 27 NASA-CASE-LEW-13226-1
US-PATENT-APPL-SN-070771
US-PATENT-CLASS-260-326N
US-PATENT-CLASS-260-326S
US-PATENT-CLASS-260-37EP
US-PATENT-CLASS-528-118
US-PATENT-CLASS-528-322
US-PATENT-CLASS-538-117
US-PATENT-4,244,857
- N81-17261* # c 27 NASA-CASE-NPO-14315-1
US-PATENT-APPL-SN-900659
US-PATENT-CLASS-201-10
US-PATENT-CLASS-201-25
US-PATENT-CLASS-201-8
US-PATENT-CLASS-44-50
US-PATENT-CLASS-44-62
US-PATENT-4,246,001
- N81-17262* # c 27 NASA-CASE-ARC-11253-1
- N81-17348* # c 33 NASA-CASE-MFS-23845-1
US-PATENT-APPL-SN-938298
US-PATENT-CLASS-307-233R
US-PATENT-CLASS-307-306
US-PATENT-CLASS-333-204
US-PATENT-4,227,096
- N81-17349* # c 33 NASA-CASE-MSC-16747-1
US-PATENT-APPL-SN-974475
US-PATENT-CLASS-328-134
US-PATENT-CLASS-328-37
US-PATENT-CLASS-328-55
US-PATENT-CLASS-331-48
US-PATENT-4,241,308
- N81-17432* # c 37 NASA-CASE-NPO-14388-1
US-PATENT-APPL-SN-008208
US-PATENT-CLASS-60-518
US-PATENT-CLASS-74-417
US-PATENT-4,240,256
- N81-17433* # c 37 NASA-CASE-ARC-11251-1
US-PATENT-APPL-SN-057465
US-PATENT-CLASS-128-DIG.20
US-PATENT-CLASS-137-549
US-PATENT-CLASS-137-886
US-PATENT-CLASS-137-887
US-PATENT-CLASS-251-216
US-PATENT-CLASS-251-339
US-PATENT-4,239,057
- N81-17499* # c 43 NASA-CASE-FRC-11013-1
US-PATENT-APPL-SN-043912
US-PATENT-CLASS-244-160
US-PATENT-CLASS-244-49
US-PATENT-4,240,601
- N81-17518* # c 44 NASA-CASE-NPO-14619-1
US-PATENT-APPL-SN-027559
US-PATENT-CLASS-126-419
US-PATENT-CLASS-60-524
US-PATENT-CLASS-60-641
US-PATENT-4,236,383
- N81-17886* # c 74 NASA-CASE-NPO-14219-1
US-PATENT-APPL-SN-888432
US-PATENT-CLASS-350-301
US-PATENT-CLASS-354-118
US-PATENT-CLASS-362-11
US-PATENT-CLASS-362-241
US-PATENT-4,213,684
- N81-17887* # c 74 NASA-CASE-NPO-14657-1
US-PATENT-APPL-SN-008211
US-PATENT-CLASS-356-432
US-PATENT-CLASS-73-15R
US-PATENT-4,243,327
- N81-17888* # c 74 NASA-CASE-NPO-14502-1
US-PATENT-APPL-SN-965368
US-PATENT-CLASS-356-345
US-PATENT-CLASS-356-352
US-PATENT-CLASS-356-358
US-PATENT-4,243,323
- N81-19016* # c 02 NASA-CASE-LAR-12750-1
US-PATENT-APPL-SN-210491
- N81-19087* # c 05 NASA-CASE-LAR-11797-1
US-PATENT-APPL-SN-969755
US-PATENT-CLASS-244-17.25
US-PATENT-CLASS-416-114
US-PATENT-CLASS-416-500
US-PATENT-CLASS-74-519
US-PATENT-4,245,956
- N81-19115* # c 07 NASA-CASE-LEW-12907-2
US-PATENT-APPL-SN-752050
US-PATENT-APPL-SN-909235
US-PATENT-CLASS-364-106
US-PATENT-CLASS-364-431
US-PATENT-CLASS-60-39.24
US-PATENT-4,249,238
- N81-19116* # c 07 NASA-CASE-LEW-12594-2
US-PATENT-APPL-SN-741056
US-PATENT-APPL-SN-909608
US-PATENT-CLASS-60-226R
US-PATENT-CLASS-60-236
US-PATENT-CLASS-60-238
US-PATENT-CLASS-60-239
US-PATENT-4,242,864
- N81-19130* # c 08 NASA-CASE-LAR-11970-2
US-PATENT-APPL-SN-034104
US-PATENT-APPL-SN-727503
US-PATENT-CLASS-244-12.5
US-PATENT-CLASS-244-52
US-PATENT-CLASS-244-87
US-PATENT-4,236,684
- N81-19242* # c 25 NASA-CASE-MFS-25000-1
US-PATENT-APPL-SN-974474
US-PATENT-CLASS-260-29.6RB

F-66

ACCESSION NUMBER INDEX

N81-29764

			US-PATENT-APPL-SN-676958				US-PATENT-CLASS-299-20			N81-28740* #	c 52		NASA-CASE-MSC-18381-1
			US-PATENT-APPL-SN-798976				US-PATENT-4,226,475						US-PATENT-APPL-SN-034531
			US-PATENT-CLASS-128-80F			N81-26718* #	c 54		NASA-CASE-MFS-23696-1				US-PATENT-CLASS-128-295
			US-PATENT-4,252,111						US-PATENT-APPL-SN-054044				US-PATENT-CLASS-4-144.3
N81-25662* #	c 52		NASA-CASE-ARC-11167-1						US-PATENT-CLASS-294-93				US-PATENT-4,270,539
			US-PATENT-APPL-SN-057526						US-PATENT-CLASS-414-4	N81-29129* #	c 07		NASA-CASE-LEW-12990-1
			US-PATENT-CLASS-128-89R						US-PATENT-CLASS-414-735				US-PATENT-APPL-SN-916654
			US-PATENT-4,261,349						US-PATENT-CLASS-414-744A				US-PATENT-CLASS-261-28
N81-26073* #	c 02		NASA-CASE-KSC-11042-2						US-PATENT-4,273,505				US-PATENT-CLASS-431-2
			US-PATENT-APPL-SN-154663			N81-27271* #	c 27		NASA-CASE-ARC-11176-2				US-PATENT-CLASS-60-39.06
N81-26114* #	c 05		NASA-CASE-LAR-12406-1						US-PATENT-APPL-SN-129798				US-PATENT-CLASS-60-726
			US-PATENT-APPL-SN-008210						US-PATENT-CLASS-528-168				US-PATENT-CLASS-60-737
			US-PATENT-CLASS-165-104.14						US-PATENT-CLASS-528-399				US-PATENT-4,189,914
			US-PATENT-CLASS-244-117A						US-PATENT-CLASS-528-4	N81-29152* #	c 18		NASA-CASE-LAR-12052-1
			US-PATENT-CLASS-244-163						US-PATENT-CLASS-528-6				US-PATENT-APPL-SN-102002
			US-PATENT-CLASS-60-259						US-PATENT-4,276,403				US-PATENT-CLASS-364-453
			US-PATENT-CLASS-60-267			N81-27272* #	c 27		NASA-CASE-ARC-11321-1				US-PATENT-CLASS-364-566
			US-PATENT-CLASS-60-730						US-PATENT-APPL-SN-175452				US-PATENT-CLASS-73-178R
			US-PATENT-CLASS-62-DIG.5						US-PATENT-CLASS-428-260				US-PATENT-CLASS-73-510
			US-PATENT-4,273,304						US-PATENT-CLASS-428-367				US-PATENT-4,281,384
N81-26152* #	c 08		NASA-CASE-LAR-12562-1						US-PATENT-CLASS-428-408	N81-29160* #	c 23		NASA-CASE-LEW-13101-2
			US-PATENT-APPL-SN-015995						US-PATENT-CLASS-428-902				US-PATENT-APPL-SN-145271
			US-PATENT-CLASS-244-181						US-PATENT-CLASS-428-920				US-PATENT-APPL-SN-971473
			US-PATENT-CLASS-244-182						US-PATENT-CLASS-526-262				US-PATENT-CLASS-260-17.40C
			US-PATENT-4,266,743						US-PATENT-CLASS-528-228				US-PATENT-CLASS-264-104
N81-26161* #	c 14		NASA-CASE-LAR-12250-1						US-PATENT-4,276,344				US-PATENT-CLASS-428-139
			US-PATENT-APPL-SN-910794			N81-27323* #	c 31		NASA-CASE-MSC-16217-1				US-PATENT-CLASS-429-249
			US-PATENT-CLASS-244-160						US-PATENT-APPL-SN-893383				US-PATENT-CLASS-429-253
			US-PATENT-CLASS-244-2						US-PATENT-CLASS-52-108				US-PATENT-CLASS-429-27
			US-PATENT-CLASS-244-63						US-PATENT-CLASS-52-745				US-PATENT-CLASS-429-28
			US-PATENT-4,265,416			N81-27324* #	c 31		US-PATENT-4,237,662				US-PATENT-CLASS-525-56
N81-26179* #	c 24		NASA-CASE-LEW-12493-2						NASA-CASE-LAR-12195-1				US-PATENT-CLASS-525-61
			US-PATENT-APPL-SN-122967						US-PATENT-APPL-SN-946991				US-PATENT-4,272,470
			US-PATENT-APPL-SN-893857						US-PATENT-CLASS-182-62.5	N81-29163* #	c 24		NASA-CASE-MFS-23674-1
			US-PATENT-CLASS-228-118						US-PATENT-CLASS-212-267				US-PATENT-APPL-SN-912276
			US-PATENT-CLASS-2										

		US-PATENT-CLASS-424-274				US-PATENT-CLASS-156-307.7				US-PATENT-APPL-SN-126138
		US-PATENT-4,279,906				US-PATENT-CLASS-156-307.3				US-PATENT-CLASS-239-499
N81-29963* #	c 74	NASA-CASE-NPO-14448-1				US-PATENT-CLASS-156-307.5				US-PATENT-CLASS-239-589
		US-PATENT-APPL-SN-037560				US-PATENT-CLASS-156-331.5				US-PATENT-CLASS-239-601
		US-PATENT-CLASS-356-345				US-PATENT-CLASS-528-126				US-PATENT-4,300,723
		US-PATENT-CLASS-356-346				US-PATENT-CLASS-528-172	N82-13415* #	c 36	NASA-CASE-LAR-12592-1	US-PATENT-APPL-SN-041141
		US-PATENT-4,278,351				US-PATENT-CLASS-528-173				US-PATENT-CLASS-331-94.5C
N81-32510* #	c 37	NASA-CASE-MSC-16239-1				US-PATENT-CLASS-528-180				US-PATENT-CLASS-331-94.5D
		US-PATENT-APPL-SN-847276				US-PATENT-CLASS-528-207				US-PATENT-CLASS-331-94.5P
		US-PATENT-CLASS-91-325				US-PATENT-CLASS-528-208				US-PATENT-4,300,106
		US-PATENT-CLASS-91-341R				US-PATENT-CLASS-528-210	N82-13465* #	c 43	NASA-CASE-GSC-12032-2	US-PATENT-APPL-SN-578700
		US-PATENT-CLASS-91-410				US-PATENT-CLASS-528-211				US-PATENT-APPL-SN-583219
		US-PATENT-4,283,995				US-PATENT-CLASS-528-225				US-PATENT-CLASS-250-235
N81-32829* #	c 51	NASA-CASE-MFS-23825-1				US-PATENT-CLASS-528-228				US-PATENT-CLASS-250-236
		US-PATENT-APPL-SN-145273				US-PATENT-CLASS-528-351				US-PATENT-CLASS-358-109
		US-PATENT-CLASS-119-17				US-PATENT-CLASS-528-353				US-PATENT-4,300,159
		US-PATENT-CLASS-119-18				US-PATENT-4,284,461				US-PATENT-4,300,159
N81-33235* #	c 24	US-PATENT-4,284,034	N82-11336* #	c 32	NASA-CASE-MSC-18606-1					US-PATENT-4,300,159
		NASA-CASE-LAR-12065-2			US-PATENT-APPL-SN-145206					US-PATENT-4,300,159
		US-PATENT-APPL-SN-119337			US-PATENT-CLASS-343-700MS					US-PATENT-APPL-SN-106119
		US-PATENT-APPL-SN-889671			US-PATENT-CLASS-343-708					US-PATENT-APPL-SN-583219
		US-PATENT-CLASS-156-242			US-PATENT-CLASS-343-727					US-PATENT-CLASS-455-137
		US-PATENT-CLASS-156-245			US-PATENT-CLASS-343-795					US-PATENT-CLASS-455-139
		US-PATENT-CLASS-156-252			US-PATENT-CLASS-343-846					US-PATENT-CLASS-455-60
		US-PATENT-CLASS-156-264			US-PATENT-4,287,518					US-PATENT-4,295,140
		US-PATENT-CLASS-156-285	N82-11357* #	c 33	NASA-CASE-MSC-18106-1					US-PATENT-4,295,140
		US-PATENT-CLASS-156-290			US-PATENT-APPL-SN-098568					US-PATENT-APPL-SN-10990-1
		US-PATENT-4,229,473			US-PATENT-CLASS-335-256					US-PATENT-APPL-SN-749420
		US-PATENT-4,274,901			US-PATENT-CLASS-335-266					US-PATENT-CLASS-244-114R
N81-33246* #	c 25	NASA-CASE-NPO-14272-1			US-PATENT-CLASS-361-141					US-PATENT-CLASS-340-26
		US-PATENT-APPL-SN-878253			US-PATENT-4,295,111					US-PATENT-4,291,294
		US-PATENT-CLASS-201-17	N82-11360* #	c 33	NASA-CASE-MFS-25586-1					US-PATENT-CLASS-FRC-11005-1
		US-PATENT-CLASS-44-1R			US-PATENT-APPL-SN-310714					US-PATENT-APPL-SN-043942
		US-PATENT-CLASS-44-2	N82-11399* #	c 34	NASA-CASE-LEW-12950-1					US-PATENT-CLASS-340-27NA
		US-PATENT-4,146,367			US-PATENT-APPL-SN-202228					US-PATENT-CLASS-73-178R
N81-33319* #	c 31	NASA-CASE-NPO-14596-1	N82-11431* #	c 35	NASA-CASE-LAR-12552-1					US-PATENT-4,283,705
		US-PATENT-APPL-SN-037072			US-PATENT-APPL-SN-070366					US-PATENT-APPL-SN-1244-1
		US-PATENT-CLASS-264-24			US-PATENT-CLASS-235-92PC					US-PATENT-APPL-SN-054501
		US-PATENT-CLASS-264-5			US-PATENT-CLASS-324-71CP					US-PATENT-CLASS-260-340.9R
		US-PATENT-CLASS-264-9			US-PATENT-4,286,209					US-PATENT-CLASS-568-445
		US-PATENT-CLASS-425-6	N82-11432* #	c 35	NASA-CASE-MFS-23250-1					US-PATENT-CLASS-568-497
		US-PATENT-CLASS-65-142			US-PATENT-APPL-SN-119340					US-PATENT-4,277,402
		US-PATENT-CLASS-65-21.4			US-PATENT-CLASS-422-40					US-PATENT-CLASS-18382-1
		US-PATENT-CLASS-65-22			US-PATENT-CLASS-430-17					US-PATENT-APPL-SN-145107
		US-PATENT-4,279,632			US-PATENT-CLASS-430-372					US-PATENT-CLASS-106-18.16
N81-33403* #	c 33	NASA-CASE-GSC-12324-1			US-PATENT-4,287,152					US-PATENT-CLASS-106-18.24
		US-PATENT-APPL-SN-945043	N82-11469* #	c 37	NASA-CASE-NPO-15539-1					US-PATENT-CLASS-260-45.7R
		US-PATENT-CLASS-358-109			US-PATENT-APPL-SN-303670					US-PATENT-CLASS-427-393.3
		US-PATENT-CLASS-358-213	N82-11634* #	c 45	NASA-CASE-NPO-13877-1					US-PATENT-CLASS-428-264
		US-PATENT-4,280,141			US-PATENT-APPL-SN-652979					US-PATENT-CLASS-428-265
N81-33404* #	c 33	NASA-CASE-NPO-14316-1			US-PATENT-CLASS-210-40					US-PATENT-CLASS-428-267
		US-PATENT-APPL-SN-051276			US-PATENT-CLASS-252-422					US-PATENT-CLASS-428-272
		US-PATENT-CLASS-363-24			US-PATENT-4,209,393					US-PATENT-4,284,682
		US-PATENT-CLASS-363-56	N82-11770* #	c 52	NASA-CASE-MSC-14836-1					US-PATENT-4,284,682
		US-PATENT-4,276,588			US-PATENT-APPL-SN-691647					US-PATENT-4,284,682
N81-33405* #	c 33	NASA-CASE-NPO-14435-1			US-PATENT-CLASS-128-327					US-PATENT-CLASS-12832-1
		US-PATENT-APPL-SN-017886			US-PATENT-CLASS-128-686					US-PATENT-APPL-SN-129793
		US-PATENT-CLASS-329-122			US-PATENT-CLASS-128-691					US-PATENT-CLASS-333-104
		US-PATENT-CLASS-331-DIG.2			US-PATENT-4,294,261					US-PATENT-CLASS-333-246
		US-PATENT-CLASS-364-514	N82-12166* #	c 25	NASA-CASE-MSC-16497-1					US-PATENT-4,302,734
		US-PATENT-CLASS-375-1			US-PATENT-APPL-SN-041145					US-PATENT-APPL-SN-102001
		US-PATENT-4,279,018			US-PATENT-CLASS-204-1T					US-PATENT-CLASS-356-349
N81-33448* #	c 35	NASA-CASE-NPO-14258-1			US-PATENT-CLASS-204-195S					US-PATENT-CLASS-356-386
		US-PATENT-APPL-SN-853349			US-PATENT-CLASS-204-263					US-PATENT-CLASS-356-386
		US-PATENT-APPL-SN-972252			US-PATENT-CLASS-204-264					US-PATENT-4,299,492
		US-PATENT-CLASS-350-370			US-PATENT-CLASS-204-266					US-PATENT-CLASS-18422-1
		US-PATENT-CLASS-356-350			US-PATENT-CLASS-204-275					US-PATENT-APPL-SN-102593
		US-PATENT-CLASS-356-351			US-PATENT-CLASS-204-276					US-PATENT-CLASS-244-113
		US-PATENT-4,280,766			US-PATENT-CLASS-204-278					US-PATENT-CLASS-244-163
N81-33482* #	c 37	NASA-CASE-NPO-15227-1			US-PATENT-CLASS-204-278					US-PATENT-CLASS-244-217
		US-PATENT-APPL-SN-163840			US-PATENT-CLASS-23-230PC					US-PATENT-CLASS-277-199
		US-PATENT-CLASS-118-50			US-PATENT-CLASS-23-232E					US-PATENT-CLASS-277-81R
		US-PATENT-CLASS-118-52			US-PATENT-CLASS-422-80					US-PATENT-CLASS-418-113
		US-PATENT-CLASS-269-21			US-PATENT-4,293,522					US-PATENT-CLASS-418-142
		US-PATENT-CLASS-427-240	N82-12297* #	c 32	NASA-CASE-NPO-14054-1					US-PATENT-4,290,612
		US-PATENT-4,280,689			US-PATENT-APPL-SN-969761					US-PATENT-CLASS-23775-1
N81-33483* #	c 37	NASA-CASE-FRC-11044-1			US-PATENT-CLASS-343-5CM					US-PATENT-APPL-SN-098569
		US-PATENT-APPL-SN-135056			US-PATENT-4,292,634					US-PATENT-CLASS-73-341
		US-PATENT-CLASS-318-663	N82-12441* #	c 37	NASA-CASE-MFS-25363-1					US-PATENT-4,282,752
		US-PATENT-CLASS-74-89			US-PATENT-APPL-SN-171933					US-PATENT-CLASS-15071-1
		US-PATENT-CLASS-92-130R			US-PATENT-CLASS-118-423					US-PATENT-APPL-SN-150115
		US-PATENT-4,274,038			US-PATENT-CLASS-118-500					US-PATENT-CLASS-126-438
N82-11088* #	c 09	NASA-CASE-LAR-12532-1			US-PATENT-CLASS-134-137					US-PATENT-CLASS-250-527
		US-PATENT-APPL-SN-135040			US-PATENT-4,286,542					US-PATENT-CLASS-48-89
		US-PATENT-CLASS-73-147	N82-12442* #	c 37	NASA-CASE-LEW-12989-1					US-PATENT-CLASS-48-99
		US-PATENT-4,286,460			US-PATENT-APPL-SN-092145					US-PATENT-4,290,779
N82-11144* #	c 25	NASA-CASE-NPO-14273-1			US-PATENT-CLASS-277-27					US-PATENT-CLASS-12430-1
		US-PATENT-APPL-SN-969759			US-PATENT-CLASS-277-40					US-PATENT-APPL-SN-129779
		US-PATENT-CLASS-110-234			US-PATENT-CLASS-277-93R					US-PATENT-CLASS-370-100
		US-PATENT-CLASS-110-245			US-PATENT-4,291,887					US-PATENT-CLASS-375-106
		US-PATENT-CLASS-110-255	N82-12685* #	c 46	NASA-CASE-NPO-14544-1					US-PATENT-CLASS-375-114
		US-PATENT-CLASS-110-266			US-PATENT-APPL-SN-078612					US-PATENT-CLASS-375-116
		US-PATENT-CLASS-122-4D			US-PATENT-CLASS-343-100ME					US-PATENT-4,298,987
		US-PATENT-4,287,838			US-PATENT-CLASS-343-100PE					US-PATENT-CLASS-11062-1
N82-11206* #	c 27	NASA-CASE-LAR-12640-1			US-PATENT-CLASS-343-781P					US-PATENT-APPL-SN-185869
		US-PATENT-APPL-SN-092142			US-PATENT-4,282,525					US-PATENT-CLASS-181-214
			N82-13376* #	c 34	NASA-CASE-MFS-25139-1					US-PATENT-4,300,656
										NASA-CASE-GSC-12194-2

			US-PATENT-APPL-SN-819029	US-PATENT-CLASS-105-218R	US-PATENT-CLASS-428-245
			US-PATENT-APPL-SN-971474	US-PATENT-CLASS-248-425	US-PATENT-CLASS-428-251
			US-PATENT-CLASS-60-200R	US-PATENT-4,301,740	US-PATENT-CLASS-428-257
			US-PATENT-CLASS-60-39.46M	N82-22496* # c 37	US-PATENT-CLASS-428-260
			US-PATENT-4,288,982	NASA-CASE-ARC-11325-1	US-PATENT-CLASS-428-266
N82-18389* #	c 27		NASA-CASE-ARC-11176-1	US-PATENT-APPL-SN-354126	US-PATENT-CLASS-428-447
			US-PATENT-APPL-SN-129799	NASA-CASE-GSC-12081-2	US-PATENT-CLASS-428-448
			US-PATENT-CLASS-528-168	US-PATENT-APPL-SN-672209	US-PATENT-CLASS-428-449
			US-PATENT-CLASS-528-399	US-PATENT-APPL-SN-796258	US-PATENT-4,308,309
			US-PATENT-CLASS-528-4	US-PATENT-CLASS-128-1.2	N82-24340* # c 27
			US-PATENT-CLASS-528-6	US-PATENT-CLASS-128-778	NASA-CASE-MFS-25181-1
			US-PATENT-CLASS-528-7	US-PATENT-CLASS-33-143C	US-PATENT-APPL-SN-218585
			US-PATENT-CLASS-568-2	US-PATENT-4,294,264	US-PATENT-CLASS-156-315
			US-PATENT-CLASS-568-4	N82-23231* # c 04	US-PATENT-CLASS-156-338
			US-PATENT-CLASS-568-5	NASA-CASE-FRC-11052-1	US-PATENT-CLASS-428-332
			US-PATENT-4,288,585	US-PATENT-APPL-SN-129783	US-PATENT-CLASS-428-339
N82-18401* #	c 28		NASA-CASE-ARC-11245-1	US-PATENT-CLASS-244-168	US-PATENT-CLASS-428-462
			US-PATENT-APPL-SN-088663	US-PATENT-CLASS-244-175	US-PATENT-CLASS-428-466
			US-PATENT-CLASS-239-690	US-PATENT-CLASS-244-190	US-PATENT-CLASS-428-493
			US-PATENT-CLASS-361-226	US-PATENT-CLASS-318-580	US-PATENT-4,327,150
			US-PATENT-CLASS-361-230	US-PATENT-4,326,685	N82-24415* # c 33
			US-PATENT-4,303,961	NASA-CASE-LAR-12441-1	NASA-CASE-LEW-13282-1
N82-18443* #	c 32		NASA-CASE-NPO-14632-1	US-PATENT-APPL-SN-145210	US-PATENT-APPL-SN-073579
			US-PATENT-APPL-SN-092143	US-PATENT-CLASS-73-147	US-PATENT-CLASS-315-3.6
			US-PATENT-CLASS-367-100	US-PATENT-4,327,581	US-PATENT-CLASS-427,721
			US-PATENT-CLASS-367-102	N82-23282* # c 25	NASA-CASE-LAR-12633-1
			US-PATENT-CLASS-367-88	NASA-CASE-NPO-14542-1	US-PATENT-APPL-SN-135039
			US-PATENT-4,287,578	US-PATENT-CLASS-166-267	US-PATENT-CLASS-358-213
N82-18493* #	c 33		NASA-CASE-FRC-11041-1	US-PATENT-CLASS-166-303	US-PATENT-4,279,001
			US-PATENT-APPL-SN-126064	US-PATENT-CLASS-208-241	N82-24417* # c 33
			US-PATENT-CLASS-318-561	US-PATENT-4,310,049	NASA-CASE-FRC-11025-1
			US-PATENT-CLASS-318-620	N82-23376* # c 32	US-PATENT-APPL-SN-115536
			US-PATENT-CLASS-318-621	NASA-CASE-NPO-14361-1	US-PATENT-CLASS-328-167
			US-PATENT-CLASS-318-622	US-PATENT-APPL-SN-053572	US-PATENT-CLASS-330-109
			US-PATENT-4,298,833	US-PATENT-CLASS-343-17.1PF	US-PATENT-CLASS-330-290
N82-18494* #	c 33		NASA-CASE-FRC-11014-1	US-PATENT-CLASS-343-5DP	US-PATENT-CLASS-330-294
			US-PATENT-APPL-SN-053652	US-PATENT-CLASS-343-7.5	US-PATENT-CLASS-330-306
			US-PATENT-CLASS-331-113R	US-PATENT-CLASS-356-5	US-PATENT-CLASS-364-825
			US-PATENT-CLASS-363-132	US-PATENT-CLASS-367-95	US-PATENT-4,275,453
			US-PATENT-CLASS-363-17	US-PATENT-4,320,397	N82-24418* # c 33
			US-PATENT-CLASS-363-61	NASA-CASE-NPO-14813-1	NASA-CASE-NPO-14556-1
			US-PATENT-4,298,926	US-PATENT-APPL-SN-145282	US-PATENT-APPL-SN-023485
N82-18601* #	c 37		NASA-CASE-LAR-12372-1	US-PATENT-CLASS-250-216	US-PATENT-CLASS-307-415
			US-PATENT-APPL-SN-108107	US-PATENT-CLASS-250-235	US-PATENT-CLASS-328-67
			US-PATENT-CLASS-188-371	US-PATENT-4,320,290	US-PATENT-CLASS-331-94.5G
			US-PATENT-CLASS-244-110C	N82-24205* # c 08	US-PATENT-CLASS-331-94.5PE
			US-PATENT-CLASS-280-805	NASA-CASE-LAR-12412-1	US-PATENT-CLASS-333-20
			US-PATENT-CLASS-57-906	US-PATENT-APPL-SN-067595	US-PATENT-4,275,317
			US-PATENT-4,304,320	US-PATENT-CLASS-244-213	N82-24419* # c 33
N82-18686* #	c 44		NASA-CASE-MFS-25287-1	US-PATENT-CLASS-244-226	NASA-CASE-GSC-12415-1
			US-PATENT-APPL-SN-098570	US-PATENT-CLASS-244-78	US-PATENT-APPL-SN-043943
			US-PATENT-CLASS-126-422	US-PATENT-CLASS-74-479	US-PATENT-CLASS-165-32
			US-PATENT-CLASS-126-429	US-PATENT-CLASS-74-480R	US-PATENT-CLASS-62-383
			US-PATENT-CLASS-126-430	US-PATENT-4,272,046	US-PATENT-4,281,708
			US-PATENT-4,304,219	N82-24212* # c 09	NASA-CASE-ARC-11116-1
N82-19029* #	c 74		NASA-CASE-NPO-15036-1	NASA-CASE-ARC-11158-1	US-PATENT-APPL-SN-069485
			US-PATENT-APPL-SN-188160	US-PATENT-APPL-SN-053566	US-PATENT-CLASS-324-51
			US-PATENT-CLASS-455-610	US-PATENT-CLASS-434-42	US-PATENT-CLASS-324-52
			US-PATENT-CLASS-455-612	US-PATENT-CLASS-434-43	US-PATENT-4,282,479
			US-PATENT-CLASS-455-615	US-PATENT-4,313,726	N82-24421* # c 33
			US-PATENT-CLASS-455-617	NASA-CASE-ARC-11256-1	NASA-CASE-GSC-12518-1
			US-PATENT-4,287,606	US-PATENT-APPL-SN-032305	US-PATENT-APPL-SN-119336
N82-19540* #	c 37		NASA-CASE-LEW-12131-3	US-PATENT-CLASS-102-504	US-PATENT-CLASS-310-12
			US-PATENT-APPL-SN-096255	US-PATENT-CLASS-242-128	US-PATENT-CLASS-318-135
			US-PATENT-APPL-SN-801290	US-PATENT-4,271,761	US-PATENT-CLASS-335-229
			US-PATENT-APPL-SN-931090	N82-24296* # c 24	US-PATENT-CLASS-335-266
			US-PATENT-CLASS-415-174	NASA-CASE-FRC-11026-1	US-PATENT-4,315,197
			US-PATENT-CLASS-415-196	US-PATENT-APPL-SN-043944	N82-24422* # c 33
			US-PATENT-4,135,851	US-PATENT-CLASS-228-157	NASA-CASE-GSC-12595-1
			US-PATENT-4,207,024	US-PATENT-CLASS-244-119	US-PATENT-APPL-SN-206506
			US-PATENT-4,295,786	US-PATENT-CLASS-244-123	US-PATENT-CLASS-336-120
N82-20544* #	c 37		NASA-CASE-LAR-12801-1	US-PATENT-CLASS-428-593	US-PATENT-CLASS-336-83
			US-PATENT-APPL-SN-309291	US-PATENT-CLASS-428-594	US-PATENT-4,321,572
			US-PATENT-CLASS-12358-2	US-PATENT-CLASS-428-604	N82-24427* # c 33
			US-PATENT-APPL-SN-776146	US-PATENT-4,292,375	NASA-CASE-MS-18407-1
			US-PATENT-APPL-SN-848428	N82-24312* # c 25	US-PATENT-APPL-SN-293419
			US-PATENT-CLASS-264-216	NASA-CASE-ARC-11097-1	NASA-CASE-LAR-12321-1
			US-PATENT-CLASS-264-453	US-PATENT-APPL-SN-891872	US-PATENT-APPL-SN-178195
			US-PATENT-CLASS-264-53	US-PATENT-CLASS-260-386	US-PATENT-CLASS-29-613
			US-PATENT-CLASS-427-115	US-PATENT-CLASS-260-389	US-PATENT-CLASS-338-25
			US-PATENT-CLASS-427-244	US-PATENT-CLASS-528-402	US-PATENT-CLASS-338-275
			US-PATENT-CLASS-427-246	US-PATENT-CLASS-570-123	US-PATENT-CLASS-338-28
			US-PATENT-4,133,941	US-PATENT-CLASS-570-129	US-PATENT-4,317,102
			US-PATENT-4,309,372	US-PATENT-4,307,024	N82-24471* # c 35
N82-21269* #	c 25		NASA-CASE-XLA-8914-2	N82-24338* # c 27	NASA-CASE-GSC-12354-1
			US-PATENT-APPL-SN-662181	NASA-CASE-ARC-11253-2	US-PATENT-APPL-SN-128229
			US-PATENT-APPL-SN-810576	US-PATENT-APPL-SN-028301	US-PATENT-CLASS-250-385
			US-PATENT-CLASS-210-321.1	US-PATENT-APPL-SN-145284	US-PATENT-CLASS-250-386
			US-PATENT-CLASS-55-158	US-PATENT-CLASS-528-310	US-PATENT-CLASS-250-389
			US-PATENT-4,302,223	US-PATENT-CLASS-528-328	US-PATENT-CLASS-29-25.14
N82-21587* #	c 37		NASA-CASE-NPO-14395-1	US-PATENT-CLASS-528-362	US-PATENT-CLASS-313-348
			US-PATENT-APPL-SN-961833	US-PATENT-CLASS-528-401	US-PATENT-CLASS-313-93
			US-PATENT-CLASS-104-83	US-PATENT-CLASS-528-422	US-PATENT-4,325,001
			US-PATENT-CLASS-105-1A	US-PATENT-4,273,918	N82-24490* # c 37
			US-PATENT-CLASS-105-171	NASA-CASE-ARC-11310-1	NASA-CASE-LAR-12315-1
			US-PATENT-CLASS-105-180	US-PATENT-APPL-SN-147700	US-PATENT-APPL-SN-096257
				US-PATENT-CLASS-102-289	US-PATENT-CLASS-220-378
				US-PATENT-CLASS-244-121	US-PATENT-CLASS-277-1
				US-PATENT-CLASS-244-158A	US-PATENT-CLASS-277-105
				US-PATENT-CLASS-244-160	US-PATENT-CLASS-277-2
				US-PATENT-CLASS-428-192	US-PATENT-CLASS-277-204
				US-PATENT-CLASS-428-193	US-PATENT-CLASS-277-4
				US-PATENT-CLASS-428-241	US-PATENT-CLASS-277-59
				US-PATENT-CLASS-428-242	US-PATENT-CLASS-277-72R
					US-PATENT-CLASS-285-37

N82-24491* #	c 37	US-PATENT-4,309,039	US-PATENT-APPL-SN-135058	US-PATENT-CLASS-547-131
		NASA-CASE-MSC-18430-1	US-PATENT-CLASS-252-514	US-PATENT-CLASS-564-229
N82-24492* #	c 37	US-PATENT-APPL-SN-113015	US-PATENT-4,311,615	US-PATENT-4,316,035
		US-PATENT-CLASS-156-84	N82-26431* #	c 26
N82-24493* #	c 37	US-PATENT-CLASS-156-85	NASA-CASE-LEW-13324-1	NASA-CASE-NPO-15015-1
		US-PATENT-CLASS-156-86	US-PATENT-APPL-SN-375784	US-PATENT-APPL-SN-145207
N82-24494* #	c 37	US-PATENT-CLASS-264-230	N82-26460* #	c 27
		US-PATENT-CLASS-264-342R	NASA-CASE-MSC-18851-1	US-PATENT-CLASS-203-12
N82-24495* #	c 37	US-PATENT-4,269,640	US-PATENT-APPL-SN-342858	US-PATENT-CLASS-422-186
		NASA-CASE-ARC-11110-1	N82-26568* #	c 33
N82-24496* #	c 37	US-PATENT-APPL-SN-945040	NASA-CASE-LEW-12296-1	US-PATENT-CLASS-422-198
		US-PATENT-CLASS-118-320	US-PATENT-APPL-SN-122966	US-PATENT-CLASS-423-235
N82-24497* #	c 37	US-PATENT-CLASS-118-500	US-PATENT-CLASS-315-3.5	US-PATENT-CLASS-423-539
		US-PATENT-CLASS-118-503	US-PATENT-CLASS-315-3.6	US-PATENT-CLASS-423-540
N82-24498* #	c 37	US-PATENT-CLASS-118-505	US-PATENT-CLASS-330-43	US-PATENT-CLASS-423-542
		US-PATENT-CLASS-427-425	US-PATENT-4,315,194	US-PATENT-CLASS-423-579
N82-24499* #	c 37	US-PATENT-4,312,292	N82-26569* #	c 33
		NASA-CASE-NPO-15115-1	NASA-CASE-MFS-23828-1	US-PATENT-CLASS-423-648R
N82-24500* #	c 37	US-PATENT-APPL-SN-154725	US-PATENT-APPL-SN-111436	US-PATENT-4,314,984
		US-PATENT-CLASS-74-18.1	US-PATENT-CLASS-318-254	N82-28440* #
N82-24501* #	c 37	US-PATENT-CLASS-74-18.2	US-PATENT-CLASS-318-806	c 27
		US-PATENT-CLASS-92-37	US-PATENT-CLASS-318-812	NASA-CASE-LEW-13120-1
N82-24502* #	c 37	US-PATENT-4,311,057	US-PATENT-CLASS-318-830	US-PATENT-APPL-SN-218587
		NASA-CASE-MSC-18526-1	US-PATENT-4,313,077	US-PATENT-CLASS-204-192E
N82-24503* #	c 37	US-PATENT-APPL-SN-119335	N82-26570* #	c 33
		US-PATENT-CLASS-285-159	NASA-CASE-LAR-12659-1	US-PATENT-CLASS-264-22
N82-24504* #	c 37	US-PATENT-CLASS-285-401	US-PATENT-APPL-SN-171928	US-PATENT-CLASS-264-220
		US-PATENT-CLASS-285-89	US-PATENT-CLASS-340-347DD	US-PATENT-CLASS-428-141
N82-24505* #	c 37	US-PATENT-CLASS-403-315	US-PATENT-4,313,103	US-PATENT-4,329,385
		US-PATENT-4,320,911	N82-26571* #	c 33
N82-24639* #	c 44	NASA-CASE-MFS-23830-1	NASA-CASE-LAR-12595-1	N82-28441* #
		US-PATENT-APPL-SN-129780	US-PATENT-APPL-SN-070774	c 27
N82-24640* #	c 44	US-PATENT-CLASS-415-DIG.8	US-PATENT-CLASS-156-157	NASA-CASE-LEW-13343-1
		US-PATENT-CLASS-415-2R	US-PATENT-CLASS-156-272	US-PATENT-APPL-SN-161254
N82-24641* #	c 44	US-PATENT-4,309,146	US-PATENT-CLASS-156-379.7	US-PATENT-CLASS-427-205
		NASA-CASE-LAR-12148-1	US-PATENT-CLASS-219-10.41	US-PATENT-CLASS-427-253
N82-24642* #	c 44	US-PATENT-APPL-SN-051275	US-PATENT-CLASS-219-10.53	US-PATENT-CLASS-427-405
		US-PATENT-CLASS-60-516	US-PATENT-CLASS-219-545	US-PATENT-CLASS-428-938
N82-24643* #	c 44	US-PATENT-CLASS-60-641.14	US-PATENT-CLASS-428-247	US-PATENT-CLASS-428-941
		US-PATENT-4,326,381	US-PATENT-4,313,777	US-PATENT-4,310,574
N82-24644* #	c 44	NASA-CASE-GSC-10019-1	N82-26572* #	c 33
		US-PATENT-APPL-SN-680048	NASA-CASE-LAR-12465-1	NASA-CASE-NPO-14845-1
N82-24645* #	c 44	US-PATENT-CLASS-136-6	US-PATENT-APPL-SN-106136	US-PATENT-APPL-SN-219680
		US-PATENT-3,498,841	US-PATENT-CLASS-361-223	US-PATENT-CLASS-264-5
N82-24646* #	c 44	NASA-CASE-GSC-10350-1	US-PATENT-CLASS-367-181	US-PATENT-CLASS-425-6
		US-PATENT-APPL-SN-679980	US-PATENT-CLASS-73-724	US-PATENT-CLASS-65-142
N82-24647* #	c 44	US-PATENT-CLASS-136-6	US-PATENT-4,310,906	US-PATENT-CLASS-65-21.4
		US-PATENT-3,498,840	N82-26628* #	c 35
N82-24648* #	c 44	NASA-CASE-GSC-10017-1	NASA-CASE-LAR-12474-1	US-PATENT-4,310,906
		US-PATENT-APPL-SN-679996	US-PATENT-APPL-SN-171934	N82-28545* #
N82-24649* #	c 44	US-PATENT-CLASS-136-6	US-PATENT-CLASS-352-171	c 33
		US-PATENT-3,519,484	US-PATENT-CLASS-354-217	NASA-CASE-MSC-20181-1
N82-24650* #	c 44	NASA-CASE-GSC-10018-1	US-PATENT-CLASS-354-289	US-PATENT-APPL-SN-392093
		US-PATENT-APPL-SN-679987	US-PATENT-4,311,378	NASA-CASE-LAR-12709-1
N82-24651* #	c 44	US-PATENT-CLASS-136-6	N82-26631* #	c 35
		US-PATENT-3,519,483	NASA-CASE-MFS-25707-1	US-PATENT-APPL-SN-359627
N82-24652* #	c 44	NASA-CASE-GSC-10349-1	N82-26672* #	c 37
		US-PATENT-APPL-SN-658999	NASA-CASE-MSC-18538-1	US-PATENT-APPL-SN-138944
N82-24653* #	c 44	US-PATENT-CLASS-136-148	US-PATENT-CLASS-30-102	US-PATENT-CLASS-30-102
		US-PATENT-3,506,496	US-PATENT-4,305,205	N82-26673* #
N82-24779* #	c 47	NASA-CASE-KSC-11099-1	N82-26674* #	c 37
		US-PATENT-APPL-SN-043945	NASA-CASE-MSC-18742-1	US-PATENT-APPL-SN-293417
N82-24780* #	c 47	US-PATENT-CLASS-324-72	US-PATENT-APPL-SN-293417	NASA-CASE-LEW-13268-2
		US-PATENT-CLASS-324-77R	US-PATENT-CLASS-352-171	US-PATENT-APPL-SN-325931
N82-24839* #	c 60	US-PATENT-4,272,720	US-PATENT-CLASS-354-217	N82-26676* #
		NASA-CASE-FRC-11042-1	US-PATENT-CLASS-354-289	c 37
N82-24840* #	c 60	US-PATENT-APPL-SN-129778	US-PATENT-4,311,378	NASA-CASE-LAR-12729-1
		US-PATENT-CLASS-254-131	N82-26677* #	c 44
N82-24841* #	c 60	US-PATENT-CLASS-254-131	NASA-CASE-NPO-15183-1	US-PATENT-APPL-SN-371353
		US-PATENT-CLASS-29-267	US-PATENT-CLASS-62-148	NASA-CASE-NPO-15183-1
N82-24842* #	c 60	US-PATENT-CLASS-29-764	US-PATENT-CLASS-62-235.1	US-PATENT-APPL-SN-173519
		US-PATENT-4,307,510	US-PATENT-CLASS-62-238.3	US-PATENT-CLASS-62-148
N82-24843* #	c 60	NASA-CASE-NPO-15494-1	US-PATENT-CLASS-62-239	US-PATENT-CLASS-62-244
		US-PATENT-APPL-SN-325885	US-PATENT-CLASS-62-244	US-PATENT-CLASS-62-476
N82-24844* #	c 60	NASA-CASE-FRC-11007-2	US-PATENT-CLASS-62-476	US-PATENT-4,307,575
		US-PATENT-APPL-SN-043911	US-PATENT-4,307,575	N82-26777* #
N82-24845* #	c 60	US-PATENT-CLASS-244-12.2	NASA-CASE-NPO-15179-1	c 44
		US-PATENT-CLASS-244-23C	US-PATENT-APPL-SN-185867	US-PATENT-CLASS-29-764
N82-24846* #	c 60	US-PATENT-CLASS-244-34A	US-PATENT-CLASS-136-261	US-PATENT-CLASS-4,307,510
		US-PATENT-CLASS-244-93	US-PATENT-CLASS-136-290	NASA-CASE-NPO-15494-1
N82-24847* #	c 60	US-PATENT-4,307,856	US-PATENT-CLASS-148-1.5	US-PATENT-APPL-SN-325885
		NASA-CASE-LEW-13199-1	US-PATENT-CLASS-219-121LN	NASA-CASE-FRC-11007-2
N82-24848* #	c 60	US-PATENT-APPL-SN-025301	US-PATENT-CLASS-357-30	US-PATENT-APPL-SN-043911
		US-PATENT-CLASS-244-110B	US-PATENT-CLASS-357-63	US-PATENT-CLASS-244-12.2
N82-24849* #	c 60	US-PATENT-CLASS-60-226A	US-PATENT-4,311,870	US-PATENT-CLASS-244-23C
		US-PATENT-4,278,220	N82-26987* #	c 54
N82-24850* #	c 60	NASA-CASE-LAR-11688-1	NASA-CASE-ARC-11314-1	US-PATENT-APPL-SN-168943
		US-PATENT-APPL-SN-878540	US-PATENT-CLASS-73-862.08	US-PATENT-CLASS-73-862.08
N82-24851* #	c 60	US-PATENT-CLASS-244-119	US-PATENT-4,311,055	US-PATENT-4,311,055
		US-PATENT-CLASS-244-123	N82-27086* #	c 71
N82-24852* #	c 60	US-PATENT-CLASS-244-132	NASA-CASE-NPO-15562-1	US-PATENT-APPL-SN-364097
		US-PATENT-4,310,132	N82-27558* #	c 32
N82-24853* #	c 60	NASA-CASE-MSC-18934-3	NASA-CASE-MSC-18532-1	US-PATENT-APPL-SN-172099
		US-PATENT-APPL-SN-361711	US-PATENT-CLASS-343-789	US-PATENT-CLASS-343-895
N82-24854* #	c 60	NASA-CASE-MSC-18796-1	US-PATENT-CLASS-343-895	US-PATENT-4,315,266
		US-PATENT-APPL-SN-367121	N82-28279* #	c 05
N82-24855* #	c 60	NASA-CASE-LAR-12705-1	NASA-CASE-LAR-12175-1	US-PATENT-APPL-SN-079913
			US-PATENT-CLASS-244-48	US-PATENT-CLASS-244-48
N82-24856* #	c 60		US-PATENT-4,330,100	N82-28353* #
			NASA-CASE-ARC-11267-2	c 23
N82-24857* #	c 60		US-PATENT-APPL-SN-163838	NASA-CASE-MSC-18223-1
			US-PATENT-CLASS-528-401	US-PATENT-APPL-SN-219681
N82-24858* #	c 60		US-PATENT-CLASS-528-422	US-PATENT-CLASS-128-280

		US-PATENT-CLASS-128-283			US-PATENT-CLASS-429-144			US-PATENT-CLASS-428-594
		US-PATENT-CLASS-128-284			US-PATENT-CLASS-429-251			US-PATENT-CLASS-428-604
		US-PATENT-CLASS-128-285			US-PATENT-CLASS-429-254			US-PATENT-CLASS-428-607
		US-PATENT-CLASS-128-288			US-PATENT-4,331,746			US-PATENT-CLASS-428-608
		US-PATENT-CLASS-128-291	N82-29709* #	c 44	NASA-CASE-LEW-13401-1	N82-32659* #	c 35	US-PATENT-4,344,591
		US-PATENT-CLASS-128-296			US-PATENT-APPL-SN-219678			NASA-CASE-GSC-12587-1
		US-PATENT-CLASS-428-283			US-PATENT-CLASS-136-249			US-PATENT-APPL-SN-173524
		US-PATENT-CLASS-428-284			US-PATENT-CLASS-148-1.5			US-PATENT-CLASS-250-369
		US-PATENT-CLASS-428-286			US-PATENT-CLASS-29-572			US-PATENT-4,345,153
		US-PATENT-CLASS-428-287			US-PATENT-CLASS-357-30	N82-32712* #	c 36	NASA-CASE-LAR-12328-1
		US-PATENT-CLASS-428-288			US-PATENT-4,335,503			US-PATENT-APPL-SN-073477
		US-PATENT-4,338,371	N82-29710* #	c 44	NASA-CASE-NPO-15269-1			US-PATENT-CLASS-350-453
N82-29370* #	c 25	NASA-CASE-XGS-05584-1			US-PATENT-APPL-SN-220214			US-PATENT-CLASS-356-28.5
		NASA-CASE-XGS-07375-1			US-PATENT-CLASS-204-290F			US-PATENT-4,346,990
		NASA-CASE-XGS-07397-1			US-PATENT-CLASS-204-290R	N82-32730* #	c 37	NASA-CASE-GSC-12584-1
		US-PATENT-APPL-SN-446071			US-PATENT-CLASS-429-193			US-PATENT-APPL-SN-182879
		US-PATENT-CLASS-106-197			US-PATENT-CLASS-429-33			US-PATENT-CLASS-125-23R
		US-PATENT-3,442,674			US-PATENT-CLASS-429-40			US-PATENT-CLASS-225-103
N82-29371* #	c 25	NASA-CASE-NPO-14902-1			US-PATENT-4,331,742			US-PATENT-4,343,287
		US-PATENT-APPL-SN-156790	N82-29862* #	c 52	NASA-CASE-LAR-12471-1	N82-32731* #	c 37	NASA-CASE-MFS-23846-1
		US-PATENT-CLASS-201-17			US-PATENT-APPL-SN-178193			US-PATENT-APPL-SN-168944
		US-PATENT-CLASS-44-1SR			US-PATENT-CLASS-128-62A			US-PATENT-CLASS-294-116
		US-PATENT-4,325,707			US-PATENT-CLASS-433-118			US-PATENT-CLASS-414-222
N82-29415* #	c 26	NASA-CASE-LEW-13169-1			US-PATENT-CLASS-433-125			US-PATENT-CLASS-414-226
		US-PATENT-APPL-SN-102003			US-PATENT-CLASS-433-86			US-PATENT-CLASS-414-739
		US-PATENT-CLASS-204-192C			US-PATENT-4,331,422			US-PATENT-4,343,584
		US-PATENT-4,336,117	N82-29863* #	c 52	NASA-CASE-GSC-12560-1	N82-32732* #	c 37	NASA-CASE-LAR-12482-1
N82-29451* #	c 27	NASA-CASE-HQN-10274-1			US-PATENT-APPL-SN-153246			US-PATENT-APPL-SN-100611
		US-PATENT-APPL-SN-683465			US-PATENT-CLASS-128-421			US-PATENT-CLASS-403-217
		US-PATENT-CLASS-106-52			US-PATENT-4,308,868			US-PATENT-CLASS-403-317
		US-PATENT-3,573,078	N82-30071* #	c 74	NASA-CASE-MSC-18627-1			US-PATENT-CLASS-403-331
N82-29452* #	c 27	NASA-CASE-HQN-10931-2			US-PATENT-APPL-SN-186881			US-PATENT-CLASS-403-340
		US-PATENT-APPL-SN-246295			US-PATENT-CLASS-250-226			US-PATENT-CLASS-52-81
		US-PATENT-APPL-SN-874674			US-PATENT-CLASS-250-231R			US-PATENT-4,340,318
		US-PATENT-CLASS-106-50			US-PATENT-CLASS-374-162R	N82-32841* #	c 44	NASA-CASE-LAR-12513-1
		US-PATENT-CLASS-106-52			US-PATENT-4,338,516			US-PATENT-APPL-SN-161256
		US-PATENT-CLASS-106-54	N82-30105* #	c 76	NASA-CASE-NPO-14831-1			US-PATENT-CLASS-250-330
		US-PATENT-3,785,836			US-PATENT-APPL-SN-233269			US-PATENT-CLASS-250-370
N82-29453* #	c 27	NASA-CASE-LEW-13268-1			US-PATENT-CLASS-156-602			US-PATENT-4,331,873
		US-PATENT-APPL-SN-145209			US-PATENT-CLASS-156-608	N82-33288* #	c 85	NASA-CASE-FRC-11058-1
		US-PATENT-CLASS-415-174			US-PATENT-CLASS-422-246			US-PATENT-APPL-SN-175453
		US-PATENT-CLASS-427-34			US-PATENT-4,330,359			US-PATENT-CLASS-105-2R
		US-PATENT-CLASS-427-423	N82-30371* #	c 26	NASA-CASE-LEW-13169-2			US-PATENT-CLASS-244-53B
		US-PATENT-4,336,276			US-PATENT-APPL-SN-102003			US-PATENT-CLASS-296-1S
N82-29454* #	c 27	NASA-CASE-HQN-10328-2			US-PATENT-APPL-SN-191746			US-PATENT-CLASS-296-24C
		US-PATENT-APPL-SN-246294			US-PATENT-CLASS-204-192C			US-PATENT-CLASS-296-91
		US-PATENT-APPL-SN-874673			US-PATENT-CLASS-428-457			US-PATENT-4,343,506
		US-PATENT-CLASS-106-50			US-PATENT-CLASS-428-472	N82-33520* #	c 27	NASA-CASE-KSC-11097-1
		US-PATENT-CLASS-106-52			US-PATENT-4,341,843			US-PATENT-APPL-SN-172100
		US-PATENT-CLASS-106-54	N82-31505* #	c 26	NASA-CASE-LEW-13339-1			US-PATENT-CLASS-427-140
		US-PATENT-3,811,901			US-PATENT-APPL-SN-199769			US-PATENT-CLASS-427-372.2
N82-29455* #	c 27	NASA-CASE-HQN-10595-1			US-PATENT-CLASS-148-428			US-PATENT-CLASS-427-397.7
		US-PATENT-APPL-SN-259056			US-PATENT-CLASS-420-445			US-PATENT-4,330,572
		US-PATENT-APPL-SN-874675			US-PATENT-CLASS-420-551	N82-33521* #	c 27	NASA-CASE-LEW-13028-1
		US-PATENT-CLASS-106-50			US-PATENT-CLASS-420-588			US-PATENT-APPL-SN-218588
		US-PATENT-CLASS-106-52			US-PATENT-4,340,425			US-PATENT-CLASS-204-192E
		US-PATENT-3,947,281	N82-31583* #	c 32	NASA-CASE-MSC-16462-1			US-PATENT-CLASS-204-192EC
N82-29456* #	c 27	NASA-CASE-MSC-18741-1			US-PATENT-APPL-SN-900841			US-PATENT-CLASS-204-38B
		US-PATENT-APPL-SN-217336			US-PATENT-CLASS-178-22.16			US-PATENT-CLASS-428-141
		US-PATENT-CLASS-156-329			US-PATENT-CLASS-178-22.17			US-PATENT-4,344,996
		US-PATENT-CLASS-244-121			US-PATENT-CLASS-364-717	N82-33523* #	c 27	NASA-CASE-ARC-14408-1
		US-PATENT-CLASS-244-158A			US-PATENT-CLASS-375-106			US-PATENT-APPL-SN-403371
		US-PATENT-CLASS-244-160			US-PATENT-4,341,925	N82-33634* #	c 33	NASA-CASE-MFS-15670-1
		US-PATENT-CLASS-244-163	N82-31659* #	c 35	NASA-CASE-LAR-12363-1			US-PATENT-APPL-SN-409679
		US-PATENT-CLASS-428-212			US-PATENT-APPL-SN-191748	N82-33996* #	c 52	NASA-CASE-NPO-14549-2
		US-PATENT-CLASS-428-218			US-PATENT-CLASS-250-332			US-PATENT-APPL-SN-149526
		US-PATENT-CLASS-428-283			US-PATENT-CLASS-250-370			US-PATENT-APPL-SN-918705
		US-PATENT-CLASS-428-289			US-PATENT-CLASS-29-576J			US-PATENT-CLASS-128-422
		US-PATENT-CLASS-428-307.7			US-PATENT-CLASS-29-576S			US-PATENT-CLASS-128-784
		US-PATENT-CLASS-428-311.5			US-PATENT-CLASS-29-620			US-PATENT-CLASS-128-804
		US-PATENT-CLASS-428-312.6			US-PATENT-4,341,012			US-PATENT-4,346,715
		US-PATENT-CLASS-428-317.9	N82-31690* #	c 37	NASA-CASE-MSC-20304-1	N83-10040* #	c 06	NASA-CASE-NPO-15351-1
		US-PATENT-CLASS-428-325			US-PATENT-APPL-SN-393585			US-PATENT-APPL-SN-224231
		US-PATENT-CLASS-428-446	N82-31764* #	c 44	NASA-CASE-LEW-13400-1			US-PATENT-CLASS-343-100ME
		US-PATENT-CLASS-428-49			US-PATENT-APPL-SN-219677			US-PATENT-CLASS-374-122
		US-PATENT-4,338,368			US-PATENT-CLASS-136-249			US-PATENT-CLASS-374-123
N82-29538* #	c 33	NASA-CASE-NPO-15066-1			US-PATENT-CLASS-357-30			US-PATENT-CLASS-73-170R
		US-PATENT-APPL-SN-191744			US-PATENT-4,341,918			US-PATENT-CLASS-73-178R
		US-PATENT-CLASS-179-18GF	N82-32366* #	c 07	NASA-CASE-LEW-12938-1			US-PATENT-4,346,595
		US-PATENT-CLASS-340-825.89			US-PATENT-APPL-SN-060449	N83-10117* #	c 24	NASA-CASE-LEW-12919-1
		US-PATENT-CLASS-370-67			US-PATENT-CLASS-415-145			US-PATENT-APPL-SN-264378
		US-PATENT-4,331,956			US-PATENT-CLASS-415-178			US-PATENT-CLASS-204-192E
N82-29539* #	c 33	NASA-CASE-NPO-143111-1			US-PATENT-CLASS-60-39.07			US-PATENT-CLASS-313-106
		US-PATENT-APPL-SN-969762			US-PATENT-CLASS-60-39.29			US-PATENT-CLASS-313-107
		US-PATENT-CLASS-328-166			US-PATENT-CLASS-60-726			US-PATENT-CLASS-315-5.38
		US-PATENT-CLASS-455-202			US-PATENT-4,329,114			US-PATENT-4,349,424
		US-PATENT-CLASS-455-208	N82-32373* #	c 08	NASA-CASE-LAR-12468-1	N83-10126* #	c 25	NASA-CASE-MFS-25426-1
		US-PATENT-CLASS-455-234			US-PATENT-APPL-SN-135057			US-PATENT-APPL-SN-254575
		US-PATENT-CLASS-455-306			US-PATENT-CLASS-244-118.1			US-PATENT-CLASS-204-299R
		US-PATENT-4,336,616			US-PATENT-CLASS-244-137R			US-PATENT-4,349,429
N82-29589* #	c 36	NASA-CASE-NPO-15111-1			US-PATENT-CLASS-89-1.5G	N83-10170* #	c 26	NASA-CASE-LEW-12941-1
		US-PATENT-APPL-SN-150040			US-PATENT-4,343,447			US-PATENT-APPL-SN-210632
		US-PATENT-CLASS-350-358	N82-32417* #	c 24	NASA-CASE-LAR-12620-1			US-PATENT-CLASS-29-452
		US-PATENT-4,332,441			US-PATENT-APPL-SN-072857			US-PATENT-CLASS-29-521
N82-29708* #	c 44	NASA-CASE-LEW-13171-1			US-PATENT-CLASS-244-132			US-PATENT-CLASS-403-282
		US-PATENT-APPL-SN-238790			US-PATENT-CLASS-244-158A			US-PATENT-4,349,954

- N83-10345* # c 33 NASA-CASE-MFS-25208-1
US-PATENT-APPL-SN-280154
US-PATENT-CLASS-318-803
US-PATENT-CLASS-363-87
US-PATENT-4,351,022
- N83-10417* # c 36 NASA-CASE-NPO-15021-1
US-PATENT-APPL-SN-130496
US-PATENT-CLASS-372-56
US-PATENT-CLASS-372-59
US-PATENT-CLASS-372-60
US-PATENT-4,347,613
- N83-10494* # c 44 NASA-CASE-LEW-13131-1
US-PATENT-APPL-SN-246772
US-PATENT-CLASS-204-56R
US-PATENT-4,350,574
- N83-10501* # c 44 NASA-CASE-NPO-14369-1
US-PATENT-APPL-SN-130603
US-PATENT-CLASS-422-200
US-PATENT-CLASS-422-202
US-PATENT-CLASS-422-224
US-PATENT-CLASS-55-204
US-PATENT-4,343,772
- N83-10900* # c 74 NASA-CASE-GSC-12608-1
US-PATENT-APPL-SN-195228
US-PATENT-CLASS-350-170
US-PATENT-CLASS-350-286
US-PATENT-4,350,410
- N83-12334* # c 33 NASA-CASE-NPO-15935-1
US-PATENT-APPL-SN-437913
US-PATENT-CLASS-427-384
US-PATENT-CLASS-427-387
US-PATENT-CLASS-428-218
US-PATENT-4,358,486
- N83-13171* # c 24 NASA-CASE-MSC-18737-1
US-PATENT-APPL-SN-266256
US-PATENT-CLASS-427-379
US-PATENT-CLASS-427-384
US-PATENT-CLASS-427-387
US-PATENT-CLASS-428-218
US-PATENT-4,358,486
- N83-13172* # c 24 NASA-CASE-MSC-18736-1
US-PATENT-APPL-SN-266254
US-PATENT-CLASS-244-158A
US-PATENT-CLASS-427-140
US-PATENT-CLASS-427-292
US-PATENT-CLASS-427-302
US-PATENT-CLASS-427-379
US-PATENT-CLASS-427-384
US-PATENT-CLASS-427-387
US-PATENT-CLASS-428-63
US-PATENT-4,358,480
- N83-13187* # c 25 NASA-CASE-MFS-25306-1
US-PATENT-APPL-SN-309293
US-PATENT-CLASS-204-280R
US-PATENT-CLASS-204-299R
US-PATENT-4,358,358
- N83-13188* # c 25 NASA-CASE-LEW-13504-1
US-PATENT-APPL-SN-272234
US-PATENT-CLASS-264-104
US-PATENT-CLASS-429-206
US-PATENT-CLASS-429-253
US-PATENT-CLASS-525-61
US-PATENT-4,357,402
- N83-13323* # c 32 NASA-CASE-KSC-11025-1
US-PATENT-APPL-SN-061327
US-PATENT-CLASS-371-6
US-PATENT-4,358,846
- N83-13360* # c 33 NASA-CASE-GSC-12782-1
US-PATENT-APPL-SN-399074
US-PATENT-CLASS-350-486
US-PATENT-4,355,870
- N83-13579* # c 44 NASA-CASE-LEW-13620-1
US-PATENT-APPL-SN-242796
US-PATENT-CLASS-136-256
US-PATENT-CLASS-136-259
US-PATENT-CLASS-29-572
US-PATENT-CLASS-357-30
US-PATENT-CLASS-427-88
US-PATENT-CLASS-427-89
US-PATENT-CLASS-427-90
US-PATENT-CLASS-427-91
US-PATENT-4,335,196
- N83-13978* # c 74 NASA-CASE-ARC-11311-1
US-PATENT-APPL-SN-219640
US-PATENT-CLASS-350-287
US-PATENT-CLASS-350-486
US-PATENT-4,355,870
- N83-14692* # c 44 NASA-CASE-LEW-12892-1
US-PATENT-APPL-SN-264380
US-PATENT-CLASS-136-255
US-PATENT-CLASS-136-256
US-PATENT-CLASS-136-259
US-PATENT-4,360,701
- N83-14693* # c 44 NASA-CASE-MSC-18794-1
US-PATENT-APPL-SN-238785
US-PATENT-CLASS-417-399
US-PATENT-CLASS-74-110
US-PATENT-4,360,325
- N83-16626* # c 33 NASA-CASE-LAR-12772-1
US-PATENT-APPL-SN-199767
US-PATENT-CLASS-73-579
US-PATENT-CLASS-73-597
- US-PATENT-CLASS-73-629
US-PATENT-CLASS-73-761
US-PATENT-4,363,242
- N83-16633* # c 33 NASA-CASE-LAR-12847-1
US-PATENT-APPL-SN-393456
US-PATENT-CLASS-343-9PS
US-PATENT-4,371,873
- N83-17045* # c 51 NASA-CASE-NPO-15213-1
US-PATENT-APPL-SN-280153
US-PATENT-CLASS-47-58
US-PATENT-CLASS-71-98
US-PATENT-4,363,188
- N83-17235* # c 71 NASA-CASE-LAR-12883-1
US-PATENT-APPL-SN-267935
US-PATENT-CLASS-73-147
US-PATENT-4,363,237
- N83-17305* # c 74 NASA-CASE-MFS-25312-1
US-PATENT-APPL-SN-187106
US-PATENT-CLASS-350-171
US-PATENT-4,362,361
- N83-17588* # c 20 NASA-CASE-MFS-25843-1
US-PATENT-APPL-SN-444125
US-PATENT-CLASS-350-171
US-PATENT-4,362,361
- N83-17628* # c 25 NASA-CASE-LEW-13609-1
US-PATENT-APPL-SN-452465
US-PATENT-CLASS-350-171
US-PATENT-4,362,361
- N83-18908* # c 27 NASA-CASE-MSC-18832-1
US-PATENT-APPL-SN-365950
US-PATENT-CLASS-428-241
US-PATENT-CLASS-428-244
US-PATENT-CLASS-428-245
US-PATENT-CLASS-428-260
US-PATENT-CLASS-428-331
US-PATENT-CLASS-428-368
US-PATENT-CLASS-428-902
US-PATENT-CLASS-428-913
US-PATENT-CLASS-428-920
US-PATENT-4,373,003
- N83-18975* # c 32 NASA-CASE-NPO-14998-1
US-PATENT-APPL-SN-195547
US-PATENT-CLASS-250-203R
US-PATENT-CLASS-343-100CL
US-PATENT-CLASS-343-5CM
US-PATENT-CLASS-364-822
US-PATENT-CLASS-364-861
US-PATENT-4,371,946
- N83-18996* # c 33 NASA-CASE-NPO-14567-1
US-PATENT-APPL-SN-038550
US-PATENT-APPL-SN-180230
US-PATENT-CLASS-250-311
US-PATENT-CLASS-324-73R
US-PATENT-CLASS-356-394
US-PATENT-4,358,732
- N83-19015* # c 34 NASA-CASE-MFS-25282-1
US-PATENT-APPL-SN-263828
US-PATENT-CLASS-378-2
US-PATENT-CLASS-378-43
US-PATENT-4,370,750
- N83-19091* # c 37 NASA-CASE-LAR-12361-1
US-PATENT-APPL-SN-182880
US-PATENT-CLASS-411-353
US-PATENT-CLASS-411-517
US-PATENT-4,371,301
- N83-19596* # c 74 NASA-CASE-LEW-12253-1
US-PATENT-APPL-SN-243682
US-PATENT-CLASS-165-104.26
US-PATENT-CLASS-165-134R
US-PATENT-CLASS-29-157.3H
US-PATENT-4,372,377
- N83-19597* # c 74 NASA-CASE-NPO-14864-1
US-PATENT-APPL-SN-061822
US-PATENT-CLASS-250-227
US-PATENT-CLASS-250-332
US-PATENT-CLASS-250-340
US-PATENT-CLASS-250-350
US-PATENT-CLASS-250-351
US-PATENT-CLASS-350-353
US-PATENT-4,262,198
- N83-19715* # c 02 NASA-CASE-LAR-12625-1
US-PATENT-APPL-SN-456915
US-PATENT-CLASS-11065-1
US-PATENT-APPL-SN-248744
US-PATENT-CLASS-244-121
US-PATENT-CLASS-244-129.4
US-PATENT-CLASS-292-254
US-PATENT-4,375,281
- N83-19900* # c 27 NASA-CASE-NPO-14857-1
US-PATENT-APPL-SN-158530
US-PATENT-CLASS-523-205
US-PATENT-CLASS-524-436
US-PATENT-CLASS-524-437
US-PATENT-CLASS-524-503
US-PATENT-CLASS-524-564
US-PATENT-CLASS-524-786
US-PATENT-4,373,039
- N83-19947* # c 31 NASA-CASE-NPO-15789-1
US-PATENT-APPL-SN-322316
US-PATENT-CLASS-204-129.55
US-PATENT-CLASS-204-129.75
US-PATENT-4,375,396
- N83-19968* # c 32 NASA-CASE-NPO-14035-1
US-PATENT-APPL-SN-858767
US-PATENT-CLASS-343-100CL
US-PATENT-CLASS-343-5CM
US-PATENT-CLASS-343-9PS
US-PATENT-4,371,873
- N83-20152* # c 37 NASA-CASE-ARC-11414-1
US-PATENT-APPL-SN-461714
US-PATENT-CLASS-343-100CL
US-PATENT-CLASS-343-5CM
US-PATENT-CLASS-343-9PS
US-PATENT-4,371,873
- N83-20154* # c 37 NASA-CASE-MFS-25807
US-PATENT-APPL-SN-460733
US-PATENT-CLASS-18929-1
US-PATENT-APPL-SN-198093
US-PATENT-CLASS-128-782
US-PATENT-CLASS-358-105
US-PATENT-CLASS-364-413
US-PATENT-CLASS-364-522
US-PATENT-CLASS-364-559
US-PATENT-CLASS-73-379
US-PATENT-4,375,674
- N83-20789* # c 76 NASA-CASE-NPO-15625-1
US-PATENT-APPL-SN-325933
US-PATENT-CLASS-148-173
US-PATENT-CLASS-148-175
US-PATENT-CLASS-156-608
US-PATENT-CLASS-156-624
US-PATENT-CLASS-156-635
US-PATENT-CLASS-156-654
US-PATENT-CLASS-156-662
US-PATENT-4,373,989
- N83-20944* # c 07 NASA-CASE-MFS-23981-1
US-PATENT-APPL-SN-231543
US-PATENT-CLASS-244-159
US-PATENT-CLASS-244-173
US-PATENT-CLASS-322-2R
US-PATENT-CLASS-339-3R
US-PATENT-CLASS-339-5R
US-PATENT-CLASS-343-DIG2
US-PATENT-4,377,266
- N83-20996* # c 18 NASA-CASE-LEW-13269-1
US-PATENT-APPL-SN-242795
US-PATENT-CLASS-415-174
US-PATENT-CLASS-415-197
US-PATENT-4,377,371
- N83-21238* # c 33 NASA-CASE-ARC-11367-1
US-PATENT-APPL-SN-460511
US-PATENT-CLASS-12469-1
US-PATENT-APPL-SN-195223
US-PATENT-CLASS-250-338
US-PATENT-CLASS-250-372
US-PATENT-CLASS-250-474.1
US-PATENT-CLASS-356-51
US-PATENT-4,372,680
- N83-21312* # c 35 NASA-CASE-MSC-18723-1
US-PATENT-APPL-SN-234223
US-PATENT-CLASS-73-818
US-PATENT-4,377,089
- N83-21503* # c 44 NASA-CASE-LAR-12458-1
US-PATENT-APPL-SN-274705
US-PATENT-CLASS-73-147
US-PATENT-4,372,158
- N83-21504* # c 44 NASA-CASE-LAR-12720-1
US-PATENT-APPL-SN-274706
US-PATENT-CLASS-73-147
US-PATENT-4,372,159
- N83-21785* # c 52 NASA-CASE-LEW-13107-1
US-PATENT-APPL-SN-272407
US-PATENT-CLASS-604-280
US-PATENT-CLASS-604-8
US-PATENT-4,377,169
- N83-21949* # c 74 NASA-CASE-ARC-11354-1
US-PATENT-APPL-SN-282192
US-PATENT-CLASS-356-357
US-PATENT-CLASS-73-147
US-PATENT-4,377,343
- N83-24572* # c 25 NASA-CASE-NPO-16135-1
US-PATENT-APPL-SN-470114
US-PATENT-CLASS-12363-2
US-PATENT-APPL-SN-377892
US-PATENT-CLASS-250-388
US-PATENT-4,379,970
- N83-24828* # c 35 NASA-CASE-MFS-25509-1
US-PATENT-APPL-SN-297486
US-PATENT-CLASS-156-DIG.62
US-PATENT-CLASS-34-57A
US-PATENT-CLASS-432-227
US-PATENT-CLASS-432-58
US-PATENT-4,378,209
- N83-25217* # c 45 NASA-CASE-NPO-15220-1
US-PATENT-APPL-SN-246777
US-PATENT-CLASS-220-335
US-PATENT-CLASS-73-863.31
US-PATENT-CLASS-73-863.83
US-PATENT-CLASS-73-864.63
US-PATENT-4,377,949
- N83-25346* # c 52 NASA-CASE-NPO-15197-1
US-PATENT-APPL-SN-263957

F-73

		US-PATENT-CLASS-62-295			US-PATENT-4,362,769			US-PATENT-CLASS-428-428
		US-PATENT-CLASS-62-514 R			NASA-CASE-LAR-12838-1			US-PATENT-4,381,333
		US-PATENT-4,394,819			US-PATENT-APPL-SN-320621			NASA-CASE-LAR-12719-1
N83-32067* #	c 37	NASA-CASE-GSC-12517-1			US-PATENT-CLASS-526-259		N83-34449* #	US-PATENT-APPL-SN-367134
		US-PATENT-APPL-SN-214361			US-PATENT-CLASS-526-285			US-PATENT-CLASS-126-901
		US-PATENT-CLASS-104-282			US-PATENT-CLASS-528-12			US-PATENT-CLASS-204-33
		US-PATENT-CLASS-104-290			US-PATENT-CLASS-528-125			US-PATENT-CLASS-204-35N
		US-PATENT-CLASS-308-10			US-PATENT-CLASS-528-126			US-PATENT-4,397,716
		US-PATENT-CLASS-310-12			US-PATENT-CLASS-528-128			
		US-PATENT-4,387,935			US-PATENT-CLASS-528-220		N83-34796* #	NASA-CASE-LEW-12582-1
N83-32081* #	c 39	NASA-CASE-LAR-12602-1			US-PATENT-CLASS-528-222			US-PATENT-APPL-SN-397281
		US-PATENT-APPL-SN-210506			US-PATENT-CLASS-528-228			US-PATENT-CLASS-310-332
		US-PATENT-CLASS-374-51			US-PATENT-CLASS-528-229			US-PATENT-CLASS-310-800
		US-PATENT-CLASS-73-818			US-PATENT-CLASS-528-38			US-PATENT-CLASS-428-294
		US-PATENT-CLASS-73-822			US-PATENT-4,375,536			US-PATENT-CLASS-428-421
		US-PATENT-CLASS-73-856			NASA-CASE-LAR-12858-1			US-PATENT-CLASS-428-422
		US-PATENT-CLASS-73-860			US-PATENT-APPL-SN-407240		N83-35176* #	US-PATENT-4,400,642
		US-PATENT-4,393,716			US-PATENT-CLASS-164-331.12			NASA-CASE-NPO-15070-1
N83-32175* #	c 44	NASA-CASE-LEW-12443-1			US-PATENT-CLASS-264-137			US-PATENT-APPL-SN-403847
		US-PATENT-APPL-SN-235797			US-PATENT-CLASS-264-258			US-PATENT-CLASS-264-12
		US-PATENT-CLASS-310-306			US-PATENT-CLASS-264-331.46			US-PATENT-CLASS-264-24
		US-PATENT-4,373,142			US-PATENT-CLASS-528-222			US-PATENT-CLASS-264-5
N83-32176* #	c 44	NASA-CASE-LEW-13171-2			US-PATENT-CLASS-528-226			US-PATENT-CLASS-425-10
		US-PATENT-APPL-SN-333537			US-PATENT-4,398,021			US-PATENT-CLASS-425-6
		US-PATENT-CLASS-29-623.5			NASA-CASE-NPO-15202-1			US-PATENT-CLASS-425-7
		US-PATENT-CLASS-429-144			US-PATENT-APPL-SN-233271			US-PATENT-CLASS-65-142
		US-PATENT-CLASS-429-251			US-PATENT-CLASS-384-124			US-PATENT-CLASS-65-21.3
		US-PATENT-CLASS-429-254			US-PATENT-CLASS-523-440			US-PATENT-CLASS-65-21.4
		US-PATENT-4,371,596			US-PATENT-CLASS-523-443			US-PATENT-CLASS-65-22
N83-32177* #	c 44	NASA-CASE-LEW-13401-2			US-PATENT-4,395,503		N83-35177* #	US-PATENT-4,400,191
		US-PATENT-APPL-SN-359388			NASA-CASE-ARC-11246-1			NASA-CASE-LEW-13450-1
		US-PATENT-CLASS-136-249			US-PATENT-APPL-SN-136660			US-PATENT-APPL-SN-328760
		US-PATENT-CLASS-357-30			US-PATENT-CLASS-156-264			US-PATENT-CLASS-427-243
		US-PATENT-4,376,872			US-PATENT-CLASS-156-344			US-PATENT-CLASS-427-247
N83-32232* #	c 47	NASA-CASE-NPO-14936-1			US-PATENT-CLASS-156-59			US-PATENT-CLASS-427-34
		US-PATENT-APPL-SN-163837			US-PATENT-CLASS-273-240			US-PATENT-CLASS-427-423
		US-PATENT-CLASS-250-203R			US-PATENT-CLASS-434-403			US-PATENT-4,402,992
		US-PATENT-CLASS-356-222			US-PATENT-CLASS-434-88		N83-35227* #	NASA-CASE-MFS-25209-1
		US-PATENT-4,355,896			US-PATENT-4,385,949			US-PATENT-APPL-SN-291132
N83-32342* #	c 60	NASA-CASE-NPO-15342-1			NASA-CASE-GSC-12566-1			US-PATENT-CLASS-318-685
		US-PATENT-APPL-SN-258623			US-PATENT-APPL-SN-276748			US-PATENT-CLASS-318-798
		US-PATENT-CLASS-364-200			US-PATENT-CLASS-315-208			US-PATENT-CLASS-318-806
		US-PATENT-CLASS-364-900			US-PATENT-CLASS-315-224			US-PATENT-4,401,934
		US-PATENT-4,394,726			US-PATENT-CLASS-315-225		N83-35307* #	NASA-CASE-GSC-12812-1
N83-32515* #	c 71	NASA-CASE-NPO-15453-1			US-PATENT-CLASS-315-237			US-PATENT-APPL-SN-434674
		US-PATENT-APPL-SN-314929			US-PATENT-CLASS-315-241R			US-PATENT-CLASS-165-104.26
		US-PATENT-CLASS-60-721			US-PATENT-CLASS-372-25			US-PATENT-CLASS-165-32
		US-PATENT-CLASS-73-505			US-PATENT-4,398,129			US-PATENT-4,402,358
		US-PATENT-4,393,708			NASA-CASE-MFS-25607-1		N83-35338* #	NASA-CASE-LEW-13934-1
N83-32516* #	c 71	NASA-CASE-NPO-15522-1			US-PATENT-APPL-SN-325886			US-PATENT-APPL-SN-212949
		US-PATENT-APPL-SN-303672			US-PATENT-CLASS-361-90			US-PATENT-CLASS-228-103
		US-PATENT-CLASS-60-721			US-PATENT-CLASS-318-729			US-PATENT-CLASS-228-193
		US-PATENT-CLASS-73-505			US-PATENT-CLASS-318-798			US-PATENT-CLASS-228-263.18
		US-PATENT-4,393,706			US-PATENT-CLASS-318-806			US-PATENT-CLASS-415-118
N83-32577* #	c 74	NASA-CASE-GSC-12614-1			US-PATENT-CLASS-361-100			US-PATENT-4,402,447
		US-PATENT-APPL-SN-195227			US-PATENT-CLASS-363-54		N83-35350* #	NASA-CASE-NPO-15201-1
		US-PATENT-CLASS-356-353			US-PATENT-4,400,657			US-PATENT-APPL-SN-246778
		US-PATENT-CLASS-356-363			NASA-CASE-GSC-12646-1			US-PATENT-CLASS-330-4
		US-PATENT-4,395,123			US-PATENT-APPL-SN-284290			US-PATENT-CLASS-332-7.5
N83-33882* #	c 06	NASA-CASE-FRC-11043-1			US-PATENT-CLASS-330-289			US-PATENT-CLASS-333-24.2
		US-PATENT-APPL-SN-242790			US-PATENT-CLASS-330-310			US-PATENT-4,399,415
		US-PATENT-CLASS-33-322			US-PATENT-4,401,953		N83-35781* #	NASA-CASE-NPO-15334-1
		US-PATENT-CLASS-74-5.34			NASA-CASE-LAR-12393-1			US-PATENT-APPL-SN-341406
		US-PATENT-4,387,513			US-PATENT-APPL-SN-145208			US-PATENT-CLASS-210-748
N83-33884* #	c 07	NASA-CASE-ARC-10312-1			US-PATENT-CLASS-165-27			US-PATENT-CLASS-252-361
		US-PATENT-APPL-SN-657903			US-PATENT-CLASS-165-12			US-PATENT-CLASS-366-114
		US-PATENT-CLASS-181-213			US-PATENT-CLASS-165-61			US-PATENT-CLASS-55-15
		US-PATENT-CLASS-239-265.17			US-PATENT-CLASS-165-80E			US-PATENT-CLASS-55-277
		US-PATENT-CLASS-60-262			US-PATENT-CLASS-317-4.46			US-PATENT-CLASS-55-38
		US-PATENT-CLASS-60-269			US-PATENT-CLASS-62-514R			US-PATENT-CLASS-55-52
		US-PATENT-CLASS-60-271			US-PATENT-CLASS-62-62			US-PATENT-CLASS-65-134
		US-PATENT-4,372,110			US-PATENT-4,346,754			US-PATENT-4,398,925
N83-33950* #	c 24	NASA-CASE-NPO-14987-1			NASA-CASE-ARC-11317-1		N83-35888* #	NASA-CASE-NPO-15530-1
		US-PATENT-APPL-SN-164-584			US-PATENT-APPL-SN-229231			US-PATENT-APPL-SN-364092
		US-PATENT-CLASS-427-215			US-PATENT-CLASS-340-518			US-PATENT-CLASS-156-DIG.6
		US-PATENT-CLASS-427-241			US-PATENT-CLASS-340-566			US-PATENT-CLASS-156-DIG.73
		US-PATENT-CLASS-428-367			US-PATENT-4,374,378			US-PATENT-CLASS-156-608
		US-PATENT-CLASS-428-375			NASA-CASE-ARC-11312-1			US-PATENT-4,401,505
		US-PATENT-CLASS-428-392			US-PATENT-APPL-SN-234224		N83-35992* #	NASA-CASE-LAR-12624-1
		US-PATENT-CLASS-428-902			US-PATENT-CLASS-356-1			US-PATENT-APPL-SN-259209
		US-PATENT-CLASS-428-903			US-PATENT-CLASS-356-4			US-PATENT-CLASS-102-378
		US-PATENT-4,359,503			US-PATENT-CLASS-358-104			US-PATENT-CLASS-244-137P
N83-33977* #	c 25	NASA-CASE-ARC-11326-1			US-PATENT-CLASS-358-109			US-PATENT-CLASS-89-1B
		US-PATENT-APPL-SN-178192			US-PATENT-CLASS-434-38			US-PATENT-4,407,468
		US-PATENT-CLASS-252-5			US-PATENT-CLASS-434-4		N83-36029* #	NASA-CASE-LEW-13142-1
		US-PATENT-CLASS-423-419P			US-PATENT-4,391,514			US-PATENT-APPL-SN-132364
		US-PATENT-CLASS-423-600			NASA-CASE-GSC-12726-1			US-PATENT-CLASS-60-39.07
		US-PATENT-CLASS-424-156			US-PATENT-APPL-SN-364093			US-PATENT-4,404,793
		US-PATENT-4,356,157			US-PATENT-CLASS-308-10		N83-36118* #	NASA-CASE-ARC-11252-1
N83-34039* #	c 27	NASA-CASE-GSC-12686-1			US-PATENT-4,381,375			US-PATENT-APPL-SN-317977
		US-PATENT-APPL-SN-293412			NASA-CASE-ARC-11164-1			US-PATENT-CLASS-169-47
		US-PATENT-CLASS-427-322			US-PATENT-APPL-SN-308007			US-PATENT-CLASS-252-2
		US-PATENT-CLASS-427-340			US-PATENT-CLASS-350-166			US-PATENT-CLASS-252-5
		US-PATENT-CLASS-427-352			US-PATENT-CLASS-428-312.6			US-PATENT-4,406,797
		US-PATENT-CLASS-427-400			US-PATENT-CLASS-428-325		N83-36220* #	NASA-CASE-MFS-25436-1
		US-PATENT-CLASS-427-407.1			US-PATENT-CLASS-428-427			US-PATENT-APPL-SN-280151
								US-PATENT-CLASS-156-DIG.73

- US-PATENT-CLASS-156-DIG.89
US-PATENT-CLASS-156-600
US-PATENT-CLASS-156-810
US-PATENT-CLASS-165-2
US-PATENT-CLASS-165-58
US-PATENT-CLASS-219-343
US-PATENT-CLASS-219-354
US-PATENT-CLASS-219-390
US-PATENT-CLASS-219-411
US-PATENT-CLASS-350-316
US-PATENT-4,408,658
N83-36355* # c 33 NASA-CASE-GSC-12630-1
US-PATENT-APPL-SN-308009
US-PATENT-CLASS-343-100AP
US-PATENT-CLASS-343-840
US-PATENT-4,407,001
N83-36356* # c 33 NASA-CASE-KSC-11170-1
US-PATENT-APPL-SN-284288
US-PATENT-CLASS-330-110
US-PATENT-CLASS-330-282
US-PATENT-4,406,989
N83-36357* # c 33 NASA-CASE-LAR-12654-1
US-PATENT-APPL-SN-234225
US-PATENT-CLASS-368-184
US-PATENT-CLASS-368-200
US-PATENT-CLASS-368-201
US-PATENT-4,407,589
N83-36482* # c 37 NASA-CASE-MSC-18791-1
US-PATENT-APPL-SN-248746
US-PATENT-CLASS-29-446
US-PATENT-CLASS-73-862.54
US-PATENT-CLASS-81-55
US-PATENT-CLASS-81-57.38
US-PATENT-4,407,165
N83-36483* # c 37 NASA-CASE-MSC-18807-1
US-PATENT-APPL-SN-266688
US-PATENT-CLASS-123-197R
US-PATENT-CLASS-123-78E
US-PATENT-4,406,256
N83-36484* # c 37 NASA-CASE-NPO-15482-1
US-PATENT-APPL-SN-526739
N83-36846* # c 71 NASA-CASE-NPO-15435-1
US-PATENT-APPL-SN-272837
US-PATENT-CLASS-308-10
US-PATENT-CLASS-73-505
US-PATENT-4,402,221
N83-36898* # c 74 NASA-CASE-GSC-12683-1
US-PATENT-APPL-SN-333535
US-PATENT-CLASS-350-173
US-PATENT-CLASS-350-445
US-PATENT-4,407,563
N84-11136* # c 02 NASA-CASE-LAR-12843-1
US-PATENT-APPL-SN-392096
US-PATENT-CLASS-244-35A
US-PATENT-CLASS-244-35R
US-PATENT-CLASS-416-223R
US-PATENT-CLASS-416-242
US-PATENT-4,412,664
N84-11213* # c 24 NASA-CASE-ARC-11418-1
US-PATENT-APPL-SN-452464
US-PATENT-CLASS-523-435
US-PATENT-CLASS-523-456
US-PATENT-CLASS-528-110
US-PATENT-CLASS-528-361
US-PATENT-4,410,682
N84-11214* # c 24 NASA-CASE-LAR-12807-1
US-PATENT-APPL-SN-280155
US-PATENT-CLASS-228-157
US-PATENT-CLASS-228-181
US-PATENT-CLASS-228-212
US-PATENT-CLASS-244-119
US-PATENT-CLASS-244-123
US-PATENT-CLASS-428-593
US-PATENT-CLASS-52-806
US-PATENT-CLASS-52-808
US-PATENT-4,411,380
N84-11497* # c 37 NASA-CASE-MFS-25678-1
US-PATENT-APPL-SN-378533
US-PATENT-CLASS-277-116.6
US-PATENT-CLASS-277-124
US-PATENT-CLASS-277-164
US-PATENT-CLASS-277-177
US-PATENT-CLASS-277-190
US-PATENT-4,410,189
N84-11744* # c 52 NASA-CASE-MFS-25740-1
US-PATENT-APPL-SN-371352
US-PATENT-CLASS-128-DIG.25
US-PATENT-CLASS-128-1R
US-PATENT-CLASS-128-346
US-PATENT-4,408,597
N84-11758* # c 54 NASA-CASE-MSC-18223-2
US-PATENT-APPL-SN-219681
US-PATENT-APPL-SN-368187
US-PATENT-CLASS-604-368
US-PATENT-CLASS-604-378
US-PATENT-CLASS-604-396
US-PATENT-4,338,371
US-PATENT-4,411,660
N84-11920* # c 74 NASA-CASE-GSC-12640-1
US-PATENT-APPL-SN-267178
US-PATENT-CLASS-250-363R
US-PATENT-CLASS-250-363S
US-PATENT-CLASS-250-368
US-PATENT-CLASS-378-2
US-PATENT-4,404,469
N84-11921* # c 74 NASA-CASE-NPO-15375-1
US-PATENT-APPL-SN-210405
US-PATENT-CLASS-250-227
US-PATENT-CLASS-3-1.1
US-PATENT-CLASS-350-96.10
US-PATENT-CLASS-350-96.15
US-PATENT-CLASS-73-432T
US-PATENT-4,405,197
N84-12154* # c 05 NASA-CASE-LAR-12615-1
US-PATENT-APPL-SN-263829
US-PATENT-CLASS-244-13
US-PATENT-CLASS-244-45R
US-PATENT-CLASS-244-53R
US-PATENT-CLASS-244-55
US-PATENT-CLASS-244-91
US-PATENT-4,415,133
N84-12193* # c 09 NASA-CASE-ARC-11426-1
US-PATENT-APPL-SN-526741
N84-12262* # c 25 NASA-CASE-NPO-15458-1
US-PATENT-APPL-SN-376306
US-PATENT-CLASS-204-DIG.3
US-PATENT-CLASS-204-129
US-PATENT-CLASS-204-242
US-PATENT-CLASS-204-278
US-PATENT-CLASS-204-290R
US-PATENT-CLASS-427-443.2
US-PATENT-CLASS-429-111
US-PATENT-4,414,080
N84-12406* # c 34 NASA-CASE-MFS-25631-1
US-PATENT-APPL-SN-308203
US-PATENT-CLASS-239-426
US-PATENT-4,413,784
N84-12443* # c 35 NASA-CASE-FRC-11068-1
US-PATENT-APPL-SN-322314
US-PATENT-CLASS-156-215
US-PATENT-CLASS-156-230
US-PATENT-CLASS-156-235
US-PATENT-CLASS-156-294
US-PATENT-CLASS-156-423
US-PATENT-CLASS-156-540
US-PATENT-CLASS-156-71
US-PATENT-CLASS-338-2
US-PATENT-4,407,686
N84-12444* # c 35 NASA-CASE-LAR-12706-1
US-PATENT-APPL-SN-210498
US-PATENT-CLASS-324-250
US-PATENT-CLASS-328-230
US-PATENT-CLASS-372-74
US-PATENT-4,414,509
N84-12445* # c 35 NASA-CASE-LAR-12882-1
US-PATENT-APPL-SN-267179
US-PATENT-CLASS-364-415
US-PATENT-CLASS-73-646
US-PATENT-CLASS-73-658
US-PATENT-4,413,522
N84-12491* # c 37 NASA-CASE-GSC-12619-1
US-PATENT-APPL-SN-225499
US-PATENT-CLASS-101-407BP
US-PATENT-CLASS-269-3
US-PATENT-4,393,777
N84-12492* # c 37 NASA-CASE-GSC-12622-1
US-PATENT-APPL-SN-243684
US-PATENT-CLASS-308-2A
US-PATENT-4,405,184
N84-12493* # c 37 NASA-CASE-LAR-12923-1
US-PATENT-APPL-SN-383063
US-PATENT-CLASS-416-117
US-PATENT-CLASS-416-132B
US-PATENT-4,415,311
N84-12654* # c 45 NASA-CASE-NSTL-10
US-PATENT-APPL-SN-335036
US-PATENT-CLASS-210-151
US-PATENT-CLASS-210-602
US-PATENT-CLASS-210-605
US-PATENT-CLASS-210-617
US-PATENT-CLASS-47-58
US-PATENT-4,415,450
N84-12968* # c 76 NASA-CASE-NPO-15811-1
US-PATENT-APPL-SN-547175
N84-14132* # c 04 NASA-CASE-LAR-12638-1
US-PATENT-APPL-SN-367187
US-PATENT-CLASS-33-DIG.3
US-PATENT-CLASS-33-348
US-PATENT-CLASS-33-356
US-PATENT-CLASS-33-361
US-PATENT-4,418,480
N84-14322* # c 27 NASA-CASE-ARC-11400-1
US-PATENT-APPL-SN-441899
US-PATENT-CLASS-428-246
US-PATENT-CLASS-428-260
US-PATENT-CLASS-428-367
US-PATENT-CLASS-428-408
US-PATENT-CLASS-428-473.5
US-PATENT-CLASS-428-902
US-PATENT-CLASS-428-920
US-PATENT-CLASS-524-494
US-PATENT-CLASS-524-496
US-PATENT-CLASS-524-500
US-PATENT-CLASS-524-530
US-PATENT-CLASS-525-282
US-PATENT-CLASS-525-287
US-PATENT-4,421,820
N84-14323* # c 27 NASA-CASE-LAR-12881-1
US-PATENT-APPL-SN-361215
US-PATENT-CLASS-206-447
US-PATENT-CLASS-206-582
US-PATENT-CLASS-428-202
US-PATENT-CLASS-428-347
US-PATENT-CLASS-428-40
US-PATENT-CLASS-428-78
US-PATENT-4,420,518
N84-14324* # c 27 NASA-CASE-MSC-18382-2
US-PATENT-APPL-SN-241155
US-PATENT-CLASS-524-371
US-PATENT-4,395,511
N84-14421* # c 33 NASA-CASE-GSC-12650-1
US-PATENT-APPL-SN-301077
US-PATENT-CLASS-330-107
US-PATENT-CLASS-330-109
US-PATENT-4,417,215
N84-14422* # c 33 NASA-CASE-LEW-13286-1
US-PATENT-APPL-SN-272406
US-PATENT-CLASS-252-182.1
US-PATENT-CLASS-429-206
US-PATENT-CLASS-429-229
US-PATENT-4,418,130
N84-14423* # c 33 NASA-CASE-MFS-25211-2
US-PATENT-APPL-SN-432057
US-PATENT-CLASS-339-258RR
US-PATENT-CLASS-339-262RR
US-PATENT-CLASS-339-64M
US-PATENT-4,421,371
N84-14424* # c 33 NASA-CASE-MFS-25477-1
US-PATENT-APPL-SN-243683
US-PATENT-APPL-SN-297524
US-PATENT-APPL-SN-350472
US-PATENT-CLASS-318-729
US-PATENT-CLASS-318-798
US-PATENT-CLASS-318-806
US-PATENT-4,417,190
N84-14461* # c 34 NASA-CASE-GSC-12771-1
US-PATENT-APPL-SN-434672
US-PATENT-CLASS-165-32
US-PATENT-CLASS-165-41
US-PATENT-CLASS-165-96
US-PATENT-4,420,035
N84-14491* # c 35 NASA-CASE-LAR-12686-1
US-PATENT-APPL-SN-249304
US-PATENT-CLASS-364-557
US-PATENT-CLASS-364-558
US-PATENT-CLASS-364-571
US-PATENT-CLASS-73-714
US-PATENT-4,399,515
N84-14509* # c 36 NASA-CASE-GSC-12565-1
US-PATENT-APPL-SN-270763
US-PATENT-CLASS-350-299
US-PATENT-CLASS-356-345
US-PATENT-CLASS-372-100
US-PATENT-CLASS-372-108
US-PATENT-CLASS-372-93
US-PATENT-CLASS-372-94
US-PATENT-CLASS-372-98
US-PATENT-4,420,836
N84-14583* # c 44 NASA-CASE-NPO-15100-1
US-PATENT-APPL-SN-259211
US-PATENT-CLASS-138-42
US-PATENT-CLASS-251-127
US-PATENT-4,418,722
N84-14873* # c 71 NASA-CASE-LAR-11903-2
US-PATENT-APPL-SN-238791
US-PATENT-APPL-SN-753971
US-PATENT-CLASS-239-265.17
US-PATENT-4,398,667
N84-16231* # c 15 NASA-CASE-LAR-12751-1
US-PATENT-APPL-SN-338386
US-PATENT-CLASS-73-167
US-PATENT-CLASS-73-432R
US-PATENT-CLASS-73-9
US-PATENT-4,425,785
N84-16255* # c 23 NASA-CASE-NPO-15767-1
US-PATENT-APPL-SN-315584
US-PATENT-CLASS-208-10

- US-PATENT-CLASS-208-8LE
US-PATENT-4,388,171
N84-16259* # c 23 NASA-CASE-ARC-11511-1
US-PATENT-APPL-SN-565482
N84-16262* # c 24 NASA-CASE-MSC-16934-3
US-PATENT-APPL-SN-185868
US-PATENT-APPL-SN-361711
US-PATENT-APPL-SN-969757
US-PATENT-CLASS-164-119
US-PATENT-CLASS-264-118
US-PATENT-CLASS-264-59
US-PATENT-CLASS-264-60
US-PATENT-4,421,700
N84-16276* # c 25 NASA-CASE-LEW-13426-1
US-PATENT-APPL-SN-393588
US-PATENT-CLASS-110-186
US-PATENT-CLASS-110-262
US-PATENT-CLASS-110-263
US-PATENT-CLASS-110-265
US-PATENT-CLASS-431-1
US-PATENT-4,425,854
N84-16340* # c 27 NASA-CASE-ARC-11421-1
US-PATENT-APPL-SN-561702
N84-16452* # c 33 NASA-CASE-LEW-13570-1
US-PATENT-APPL-SN-251009
US-PATENT-CLASS-315-3.5
US-PATENT-CLASS-315-3.6
US-PATENT-CLASS-315-39.3
US-PATENT-CLASS-333-162
US-PATENT-4,422,012
N84-16453* # c 33 NASA-CASE-MFS-25430-1
US-PATENT-APPL-SN-383083
US-PATENT-CLASS-363-25
US-PATENT-CLASS-363-65
US-PATENT-CLASS-363-67
US-PATENT-CLASS-363-71
US-PATENT-4,426,678
N84-16454* # c 33 NASA-CASE-GSC-12645-1
US-PATENT-APPL-SN-284314
US-PATENT-CLASS-324-79R
US-PATENT-CLASS-324-83A
US-PATENT-CLASS-324-83R
US-PATENT-CLASS-328-133
US-PATENT-CLASS-330-289
US-PATENT-4,425,543
N84-16455* # c 33 NASA-CASE-MFS-25616-1
US-PATENT-APPL-SN-325932
US-PATENT-CLASS-318-799
US-PATENT-CLASS-323-243
US-PATENT-CLASS-323-246
US-PATENT-4,426,614
N84-16456* # c 33 NASA-CASE-NPO-15161-1
US-PATENT-APPL-SN-325083
US-PATENT-CLASS-427-216
US-PATENT-CLASS-427-217
US-PATENT-CLASS-427-226
US-PATENT-CLASS-427-376.6
US-PATENT-CLASS-427-376.7
US-PATENT-CLASS-427-436
US-PATENT-CLASS-427-437
US-PATENT-CLASS-427-58
US-PATENT-CLASS-427-75
US-PATENT-CLASS-427-88
US-PATENT-CLASS-427-96
US-PATENT-4,388,346
N84-16523* # c 35 NASA-CASE-LAR-12007-3
US-PATENT-APPL-SN-352831
US-PATENT-CLASS-33-293
US-PATENT-4,428,122
N84-16542* # c 36 NASA-CASE-LAR-12870-1
US-PATENT-APPL-SN-317658
US-PATENT-CLASS-372-55
US-PATENT-CLASS-372-79
US-PATENT-4,424,592
N84-16560* # c 37 NASA-CASE-MFS-25510-1
US-PATENT-APPL-SN-293414
US-PATENT-CLASS-248-228
US-PATENT-4,422,609
N84-16561* # c 37 NASA-CASE-LAR-12785-1
US-PATENT-APPL-SN-297488
US-PATENT-CLASS-239-568
US-PATENT-CLASS-241-95
US-PATENT-CLASS-406-155
US-PATENT-4,428,703
N84-16803* # c 54 NASA-CASE-MSC-20202-1
US-PATENT-APPL-SN-414106
US-PATENT-CLASS-128-1A
US-PATENT-CLASS-128-15R
US-PATENT-CLASS-128-38
US-PATENT-4,421,109
N84-16940* # c 71 NASA-CASE-NPO-15592-1
US-PATENT-APPL-SN-314702
US-PATENT-CLASS-118-300
US-PATENT-CLASS-118-50
US-PATENT-CLASS-118-50.1
US-PATENT-CLASS-118-500
US-PATENT-CLASS-118-57
US-PATENT-CLASS-118-62
US-PATENT-CLASS-427-346
US-PATENT-CLASS-427-421
US-PATENT-CLASS-427-426
US-PATENT-CLASS-427-57
US-PATENT-CLASS-427-6
US-PATENT-CLASS-65-213
US-PATENT-4,425,376
N84-16959* # c 72 NASA-CASE-NPO-15547-1
US-PATENT-APPL-SN-276076
N84-17555* # c 35 NASA-CASE-NPO-15426-1
US-PATENT-APPL-SN-196877
US-PATENT-CLASS-210-748
US-PATENT-CLASS-422-121
US-PATENT-CLASS-422-169
US-PATENT-CLASS-422-178
US-PATENT-CLASS-422-186
US-PATENT-CLASS-55-DIG.25
US-PATENT-CLASS-55-DIG.30
US-PATENT-CLASS-55-105
US-PATENT-CLASS-55-12
US-PATENT-CLASS-55-126
US-PATENT-CLASS-55-131
US-PATENT-CLASS-55-138
US-PATENT-CLASS-55-139
US-PATENT-CLASS-55-145
US-PATENT-CLASS-55-2
US-PATENT-CLASS-55-270
US-PATENT-CLASS-55-283
US-PATENT-CLASS-55-291
US-PATENT-CLASS-55-466
US-PATENT-CLASS-55-6
US-PATENT-CLASS-55-96
US-PATENT-CLASS-60-275
US-PATENT-CLASS-60-303
US-PATENT-CLASS-60-311
US-PATENT-4,376,637
N84-20522* # c 06 NASA-CASE-LAR-12984-1
US-PATENT-APPL-SN-578387
N84-20702* # c 27 NASA-CASE-ARC-11512-1
US-PATENT-APPL-SN-569373
N84-22546* # c 04 NASA-CASE-GSC-12508-1
US-PATENT-APPL-SN-266253
US-PATENT-CLASS-343-356
US-PATENT-CLASS-343-357
US-PATENT-4,445,118
N84-22551* # c 05 NASA-CASE-LAR-12541-1
US-PATENT-APPL-SN-315588
US-PATENT-CLASS-244-212
US-PATENT-CLASS-244-215
US-PATENT-CLASS-244-216
US-PATENT-CLASS-244-219
US-PATENT-4,444,368
N84-22559* # c 07 NASA-CASE-LEW-13622-1
US-PATENT-APPL-SN-350473
US-PATENT-CLASS-364-558
US-PATENT-CLASS-73-115
US-PATENT-4,428,226
N84-22560* # c 07 NASA-CASE-LEW-13654-1
US-PATENT-APPL-SN-245571
US-PATENT-CLASS-416-224
US-PATENT-CLASS-416-233
US-PATENT-CLASS-416-92
US-PATENT-CLASS-416-97R
US-PATENT-4,411,597
N84-22601* # c 16 NASA-CASE-MSC-20254-1
US-PATENT-APPL-SN-418137
US-PATENT-CLASS-244-158A
US-PATENT-CLASS-52-404
US-PATENT-CLASS-52-506
US-PATENT-4,439,968
N84-22605* # c 18 NASA-CASE-MSC-18969-1
US-PATENT-APPL-SN-368189
US-PATENT-CLASS-244-161
US-PATENT-CLASS-403-322
US-PATENT-4,431,333
N84-22609* # c 18 NASA-CASE-MFS-15429-1
US-PATENT-APPL-SN-596959
N84-22610* # c 18 NASA-CASE-MSC-20543-1
US-PATENT-APPL-SN-580574
N84-22612* # c 18 NASA-CASE-ARC-11505-1
US-PATENT-APPL-SN-588036
N84-22695* # c 24 NASA-CASE-LEW-13837-1
US-PATENT-APPL-SN-495381
US-PATENT-CLASS-204-192C
US-PATENT-CLASS-204-192R
US-PATENT-CLASS-204-192SP
US-PATENT-CLASS-423-DIG.10
US-PATENT-CLASS-423-414
US-PATENT-CLASS-423-445
US-PATENT-CLASS-423-446
US-PATENT-CLASS-423-449
US-PATENT-4,437,962
N84-22709* # c 25 NASA-CASE-NPO-15210-1
US-PATENT-APPL-SN-322312
US-PATENT-CLASS-208-10
US-PATENT-CLASS-208-8LE
US-PATENT-4,443,321
N84-22734* # c 26 NASA-CASE-LEW-13349-1
US-PATENT-APPL-SN-350476
US-PATENT-CLASS-29-623.5
US-PATENT-CLASS-427-115
US-PATENT-CLASS-427-125
US-PATENT-CLASS-427-126.6
US-PATENT-CLASS-427-296
US-PATENT-CLASS-427-306
US-PATENT-CLASS-429-223
US-PATENT-CLASS-429-234
US-PATENT-4,439,465
N84-22744* # c 27 NASA-CASE-ARC-11402-1
US-PATENT-APPL-SN-366025
US-PATENT-CLASS-260-465.5R
US-PATENT-CLASS-260-465.6
US-PATENT-CLASS-528-362
US-PATENT-CLASS-528-401
US-PATENT-CLASS-528-422
US-PATENT-CLASS-528-423
US-PATENT-CLASS-544-215
US-PATENT-CLASS-564-243
US-PATENT-4,434,106
N84-22745* # c 27 NASA-CASE-ARC-11368-3
US-PATENT-APPL-SN-288267
US-PATENT-APPL-SN-512795
US-PATENT-CLASS-428-370
US-PATENT-CLASS-428-408
US-PATENT-CLASS-428-902
US-PATENT-CLASS-428-920
US-PATENT-CLASS-525-417
US-PATENT-CLASS-526-262
US-PATENT-CLASS-528-228
US-PATENT-CLASS-528-322
US-PATENT-CLASS-548-415
US-PATENT-4,395,557
US-PATENT-4,433,115
N84-22746* # c 27 NASA-CASE-LAR-12723-2
US-PATENT-APPL-SN-199768
US-PATENT-APPL-SN-447371
US-PATENT-CLASS-525-426
US-PATENT-CLASS-528-183
US-PATENT-CLASS-528-220
US-PATENT-CLASS-528-345
US-PATENT-CLASS-528-348
US-PATENT-4,395,540
US-PATENT-4,431,792
N84-22747* # c 27 NASA-CASE-LAR-12931-1
US-PATENT-APPL-SN-433598
US-PATENT-CLASS-524-171
US-PATENT-CLASS-525-534
US-PATENT-CLASS-525-535
US-PATENT-CLASS-525-536
US-PATENT-CLASS-528-25
US-PATENT-CLASS-528-26
US-PATENT-4,431,761
N84-22748* # c 27 NASA-CASE-NPO-15640-1
US-PATENT-APPL-SN-465367
US-PATENT-CLASS-156-304.3
US-PATENT-CLASS-156-304.6
US-PATENT-CLASS-156-499
US-PATENT-CLASS-156-81
US-PATENT-CLASS-156-89
US-PATENT-4,420,352
N84-22749* # c 27 NASA-CASE-LAR-12980-1
US-PATENT-APPL-SN-455593
US-PATENT-CLASS-528-125
US-PATENT-CLASS-528-128
US-PATENT-CLASS-528-172
US-PATENT-CLASS-528-185
US-PATENT-4,444,979
N84-22750* # c 27 NASA-CASE-ARC-11370-1
US-PATENT-APPL-SN-491125
US-PATENT-CLASS-525-389
US-PATENT-CLASS-528-394
US-PATENT-CLASS-528-399
US-PATENT-CLASS-528-6
US-PATENT-CLASS-528-7
US-PATENT-CLASS-568-4
US-PATENT-CLASS-568-5
US-PATENT-4,444,972
N84-22820* # c 32 NASA-CASE-MSC-18675-1
US-PATENT-APPL-SN-266687
US-PATENT-CLASS-343-17.5
US-PATENT-CLASS-343-9R
US-PATENT-4,439,766
N84-22884* # c 33 NASA-CASE-MFS-256704-1
US-PATENT-APPL-SN-409679
US-PATENT-CLASS-204-192EC
US-PATENT-4,437,961
N84-22885* # c 33 NASA-CASE-MFS-25535-2
US-PATENT-APPL-SN-476244
US-PATENT-CLASS-318-438
US-PATENT-CLASS-318-729

N84-28081

F-77

		US-PATENT-CLASS-417-392			US-PATENT-CLASS-364-900			US-PATENT-4,446,199
		US-PATENT-CLASS-417-462			US-PATENT-4,435,781			NAS 1.71:NPO-15753-1
N84-28082* #	c 37	US-PATENT-4,449,894	N84-28492* #	c 60	NASA-CASE-MSC-20258-1	N84-33589* #	c 27	NASA-CASE-NPO-15753-1
		NASA-CASE-GSC-12550-1			US-PATENT-APPL-SN-235472			US-PATENT-CLASS-219-203
		US-PATENT-APPL-SN-238888			US-PATENT-CLASS-340-825.1			US-PATENT-CLASS-219-219
		US-PATENT-CLASS-73-468			US-PATENT-CLASS-340-825.5			US-PATENT-CLASS-219-522
		US-PATENT-CLASS-74-5.5			US-PATENT-CLASS-364-900			US-PATENT-CLASS-219-541
		US-PATENT-CLASS-74-573R			US-PATENT-4,446,459			US-PATENT-CLASS-219-543
N84-28083* #	c 37	US-PATENT-4,458,554	N84-28565* #	c 70	NASA-CASE-LEW-12919-2			US-PATENT-CLASS-338-309
		NASA-CASE-GSC-12762-1			US-PATENT-APPL-SN-264378			US-PATENT-CLASS-428-432
		US-PATENT-APPL-SN-364094			US-PATENT-APPL-SN-364072			US-PATENT-4,459,470
		US-PATENT-CLASS-269-224			US-PATENT-CLASS-313-106			NAS 1.71:MFS-25302-2
		US-PATENT-CLASS-269-242			US-PATENT-CLASS-313-107			NASA-CASE-MFS-25302-2
		US-PATENT-CLASS-269-244			US-PATENT-CLASS-313-351			US-PATENT-APPL-SN-243683
		US-PATENT-CLASS-269-252			US-PATENT-CLASS-315-538			US-PATENT-APPL-SN-481086
		US-PATENT-CLASS-269-285			US-PATENT-4,349,424			US-PATENT-CLASS-307-87
N84-28084* #	c 37	US-PATENT-4,448,408	N84-28568* #	c 71	US-PATENT-4,417,175			US-PATENT-CLASS-322-25
		NASA-CASE-LAR-12644-1			NASA-CASE-MFS-25828-1			US-PATENT-CLASS-322-29
		US-PATENT-APPL-SN-387728			US-PATENT-APPL-SN-493866			US-PATENT-CLASS-322-47
		US-PATENT-CLASS-74-753			US-PATENT-CLASS-137-838			US-PATENT-CLASS-322-95
		US-PATENT-CLASS-74-758			US-PATENT-CLASS-366-106			US-PATENT-4,388,585
		US-PATENT-CLASS-74-812			US-PATENT-CLASS-425-6			US-PATENT-4,473,792
N84-28085* #	c 37	US-PATENT-4,446,757			US-PATENT-CLASS-65-142			NAS 1.71:MFS-25852-1
		NASA-CASE-LAR-12786-1			US-PATENT-CLASS-65-160	N84-33660* #	c 33	NASA-CASE-MFS-25852-1
		US-PATENT-APPL-SN-309292			US-PATENT-CLASS-65-21.3			US-PATENT-APPL-SN-450319
		US-PATENT-CLASS-30-180			US-PATENT-CLASS-65-21.4			US-PATENT-CLASS-318-729
		US-PATENT-CLASS-30-188			US-PATENT-4,447,251			US-PATENT-CLASS-318-802
		US-PATENT-CLASS-30-228	N84-28575* #	c 72	NASA-CASE-MFS-25641-1			US-PATENT-4,469,998
		US-PATENT-CLASS-30-249			US-PATENT-APPL-SN-342857			NAS 1.71:LEW-13495-1
		US-PATENT-CLASS-30-272R			US-PATENT-CLASS-250-305			NASA-CASE-LEW-13495-1
N84-28203* #	c 44	US-PATENT-4,458,418			US-PATENT-CLASS-324-457			US-PATENT-APPL-SN-368188
		NASA-CASE-NPO-15388-1			US-PATENT-CLASS-324-71.3			US-PATENT-CLASS-323-901
		US-PATENT-APPL-SN-284286			US-PATENT-CLASS-324-72.5			US-PATENT-CLASS-363-22
		US-PATENT-CLASS-126-419			US-PATENT-4,455,532			US-PATENT-CLASS-363-49
		US-PATENT-CLASS-126-438	N84-28590* #	c 74	NASA-CASE-NPO-15805-1			US-PATENT-4,464,710
		US-PATENT-CLASS-126-451			US-PATENT-APPL-SN-296137			NAS 1.71:GSC-12682-1
N84-28204* #	c 44	US-PATENT-4,433,672			US-PATENT-CLASS-250-332			NASA-CASE-GSC-12682-1
		NASA-CASE-NPO-15662-1			US-PATENT-CLASS-250-338			US-PATENT-APPL-SN-350477
		US-PATENT-APPL-SN-392103			US-PATENT-4,443,701			US-PATENT-CLASS-250-367
		US-PATENT-CLASS-126-418	N84-28732* #	c 02	NASA-CASE-LAR-12396-1			US-PATENT-CLASS-250-385
		US-PATENT-CLASS-126-438			US-PATENT-APPL-SN-017889			US-PATENT-CLASS-250-483.1
		US-PATENT-CLASS-126-440			US-PATENT-CLASS-244-35R			US-PATENT-CLASS-357-29
N84-28205* #	c 44	US-PATENT-4,449,514			US-PATENT-CLASS-416-223R			US-PATENT-CLASS-357-30
		NASA-CASE-LEW-13653-1			US-PATENT-CLASS-416-242			US-PATENT-CLASS-357-32
		US-PATENT-APPL-SN-352821			US-PATENT-4,459,083			US-PATENT-4,472,728
		US-PATENT-CLASS-204-290	N84-29017* #	c 28	NASA-CASE-KSC-11304-1			NAS 1.71:NPO-13556-1
		US-PATENT-CLASS-29-623.5			US-PATENT-APPL-SN-603373			NASA-CASE-NPO-13556-1
		US-PATENT-CLASS-29-825	N84-32398* #	c 09	NAS 1.71:MFS-25962-1			US-PATENT-APPL-SN-561369
		US-PATENT-CLASS-427-113			NASA-CASE-MFS-25962-1			US-PATENT-CLASS-250-339
		US-PATENT-CLASS-427-115			US-PATENT-APPL-SN-633180			US-PATENT-CLASS-356-188
		US-PATENT-CLASS-427-125	N84-32447* #	c 25	NAS 1.71:LEW-13257-1			US-PATENT-CLASS-356-189
		US-PATENT-CLASS-427-226			NASA-CASE-LAR-13257-1			US-PATENT-CLASS-356-73
		US-PATENT-CLASS-427-372.2			US-PATENT-APPL-SN-633178			US-PATENT-CLASS-356-74
		US-PATENT-CLASS-427-379	N84-32532* #	c 27	NAS 1.71:LEW-13270-1			US-PATENT-4,043,668
		US-PATENT-CLASS-427-380			NASA-CASE-LAR-13270-1			NAS 1.71:NPO-15644-1
		US-PATENT-CLASS-427-443			US-PATENT-APPL-SN-569536			NASA-CASE-NPO-15644-1
		US-PATENT-CLASS-429-44	N84-33394* #	c 03	NAS 1.71:ARC-11423-1			US-PATENT-APPL-SN-358088
		US-PATENT-4,454,649			NASA-CASE-ARC-11423-1			US-PATENT-CLASS-250-251
N84-28292* #	c 47	NASA-CASE-LAR-12971-1			US-PATENT-APPL-SN-452466			US-PATENT-CLASS-250-372
		US-PATENT-APPL-SN-444149			US-PATENT-CLASS-297-DIG.5			US-PATENT-4,469,942
		US-PATENT-CLASS-250-356.1			US-PATENT-CLASS-428-246			NAS 1.71:MFS-25717-1
		US-PATENT-CLASS-73-189			US-PATENT-CLASS-428-280			NASA-CASE-MFS-25717-1
		US-PATENT-CLASS-73-861.71			US-PATENT-CLASS-428-287			US-PATENT-APPL-SN-441897
		US-PATENT-4,449,400			US-PATENT-CLASS-428-304.4			US-PATENT-CLASS-175-45
N84-28361* #	c 51	NASA-CASE-ARC-11359-1			US-PATENT-CLASS-428-319.1			US-PATENT-CLASS-299-1
		US-PATENT-APPL-SN-392092			US-PATENT-CLASS-428-423.5			US-PATENT-4,406,667
		US-PATENT-CLASS-264-41			US-PATENT-CLASS-428-71			NAS 1.71:NPO-15341-1
		US-PATENT-CLASS-521-141			US-PATENT-CLASS-428-76			NASA-CASE-NPO-15341-1
		US-PATENT-CLASS-521-142			US-PATENT-CLASS-428-921			US-PATENT-APPL-SN-315583
		US-PATENT-CLASS-521-149			US-PATENT-CLASS-5-459			US-PATENT-CLASS-180-168
		US-PATENT-4,456,708			US-PATENT-4,463,465			US-PATENT-CLASS-318-587
N84-28388* #	c 52	NASA-CASE-LAR-12650-1	N84-33400* #	c 05	NAS 1.71:LEW-13233-1			US-PATENT-CLASS-340-905
		US-PATENT-APPL-SN-264381			NASA-CASE-LAR-13233-1			US-PATENT-CLASS-340-988
		US-PATENT-CLASS-128-325			US-PATENT-APPL-SN-649329			US-PATENT-4,472,716
		US-PATENT-CLASS-128-346	N84-33410* #	c 07	NAS 1.71:LEW-13524-1			NAS 1.71:MFS-25862-2
		US-PATENT-CLASS-24-560			NASA-CASE-LEW-13524-1			NASA-CASE-MFS-25862-2
		US-PATENT-4,416,266			US-PATENT-APPL-SN-238257			US-PATENT-APPL-SN-460509
N84-28389* #	c 52	NASA-CASE-LAR-12650-2			US-PATENT-CLASS-415-115			US-PATENT-CLASS-73-12
		US-PATENT-APPL-SN-264381			US-PATENT-CLASS-60-39.29			US-PATENT-CLASS-73-588
		US-PATENT-APPL-SN-465363			US-PATENT-CLASS-60-39.83			US-PATENT-4,470,293
		US-PATENT-CLASS-156-191			US-PATENT-4,416,111			NAS 1.71:LEW-12995-1
		US-PATENT-CLASS-156-285			NAS 1.71:LEW-12995-1			NASA-CASE-LEW-12995-1
		US-PATENT-CLASS-156-289			US-PATENT-APPL-SN-510136			US-PATENT-APPL-SN-157150
		US-PATENT-CLASS-156-382			US-PATENT-CLASS-428-182			US-PATENT-CLASS-60-303
		US-PATENT-CLASS-29-423			US-PATENT-CLASS-428-184			US-PATENT-CLASS-60-606
		US-PATENT-CLASS-29-451			US-PATENT-CLASS-428-595			US-PATENT-4,449,370
		US-PATENT-4,447,943			US-PATENT-CLASS-52-814			NASA-CASE-NPO-15351-2
N84-28484* #	c 54	NASA-CASE-MSC-20261-1			US-PATENT-4,472,473			US-PATENT-APPL-SN-224231
		US-PATENT-APPL-SN-393586			NAS 1.71:LEW-13639-1			US-PATENT-APPL-SN-412039
		US-PATENT-CLASS-2-161R			NASA-CASE-LEW-13639-1			US-PATENT-CLASS-73-178-R
		US-PATENT-CLASS-2-164			US-PATENT-APPL-SN-403378			US-PATENT-4,346,595
		US-PATENT-CLASS-2-167			US-PATENT-CLASS-416-241R			US-PATENT-4,474,062
		US-PATENT-4,454,611			US-PATENT-CLASS-428-564			NAS 1.71:NPO-12950-1
N84-28491* #	c 60	NASA-CASE-GSC-12447-2			US-PATENT-CLASS-428-639			US-PATENT-APPL-SN-481106
		US-PATENT-APPL-SN-128230			US-PATENT-CLASS-428-678			
		US-PATENT-APPL-SN-501060						

ACCESSION NUMBER INDEX

N85-21350

		US-PATENT-CLASS-73-147	US-PATENT-CLASS-528-226	US-PATENT-CLASS-244-147
		US-PATENT-4,475,385	US-PATENT-CLASS-528-239	US-PATENT-CLASS-244-75R
N84-34571* #	c 24	NAS 1.71:LAR-13230-1	US-PATENT-CLASS-528-241	US-PATENT-4,496,122
		NASA-CASE-LAR-13230-1	US-PATENT-CLASS-528-258	NAS 1.71:LAR-13014-1
		US-PATENT-APPL-SN-548584	US-PATENT-CLASS-528-279	NASA-CASE-LAR-13014-1
		US-PATENT-CLASS-523-454	US-PATENT-4,398,021	US-PATENT-APPL-SN-527918
		US-PATENT-CLASS-523-458	US-PATENT-4,489,027	US-PATENT-CLASS-73-147
		US-PATENT-CLASS-525-484	NAS 1.71:LAR-12894-1	US-PATENT-4,493,211
		US-PATENT-CLASS-528-407	NASA-CASE-LAR-12894-1	NAS 1.71:LEW-13881-1
		US-PATENT-CLASS-528-92	US-PATENT-APPL-SN-516087	NASA-CASE-LEW-13881-1
		US-PATENT-4,473,674	US-PATENT-CLASS-156-273.7	US-PATENT-APPL-SN-473498
N84-34651* #	c 32	NAS 1.71:NPO-15519-1	US-PATENT-CLASS-24-304	US-PATENT-CLASS-60-202
		NASA-CASE-NPO-15519-1	US-PATENT-CLASS-24-447	US-PATENT-4,466,242
		US-PATENT-APPL-SN-314928	US-PATENT-CLASS-24-450	NAS 1.71:LEW-13324-2
		US-PATENT-CLASS-343-5-CM	US-PATENT-CLASS-24-693	NASA-CASE-LEW-13324-2
		US-PATENT-CLASS-343-5-DP	US-PATENT-4,488,335	US-PATENT-APPL-SN-375784
		US-PATENT-CLASS-343-5-FT	NAS 1.71:MFS-25862-1	US-PATENT-APPL-SN-523297
		US-PATENT-4,471,357	NASA-CASE-MFS-25862-1	US-PATENT-CLASS-428-633
N84-34705* #	c 35	NAS 1.71:NPO-15558-1	US-PATENT-APPL-SN-465366	US-PATENT-CLASS-428-656
		NASA-CASE-NPO-15558-1	US-PATENT-CLASS-73-579	US-PATENT-CLASS-428-678
		US-PATENT-APPL-SN-373770	US-PATENT-CLASS-73-582	US-PATENT-CLASS-428-679
		US-PATENT-CLASS-250-343	US-PATENT-CLASS-73-588	US-PATENT-CLASS-428-680
		US-PATENT-CLASS-250-351	US-PATENT-4,479,386	US-PATENT-CLASS-428-681
		US-PATENT-CLASS-356-434	NAS 1.71:LEW-14080-1	US-PATENT-CLASS-428-682
		US-PATENT-CLASS-356-51	NASA-CASE-LEW-14080-1	US-PATENT-CLASS-428-683
		US-PATENT-4,474,471	US-PATENT-APPL-SN-628866	US-PATENT-CLASS-428-684
N84-34792* #	c 44	NAS 1.71:NPO-15808-1	US-PATENT-CLASS-204-192C	US-PATENT-4,485,151
		NASA-CASE-NPO-15808-1	US-PATENT-CLASS-204-192R	NAS 1.71:LEW-13837-2
		US-PATENT-APPL-SN-383068	US-PATENT-CLASS-204-192SP	NASA-CASE-LEW-13837-2
		US-PATENT-CLASS-126-415	US-PATENT-CLASS-423-DIG.10	US-PATENT-APPL-SN-495381
		US-PATENT-CLASS-4-498	US-PATENT-CLASS-423-414	US-PATENT-APPL-SN-591089
		US-PATENT-4,470,403	US-PATENT-CLASS-423-445	US-PATENT-CLASS-204-192C
N84-34913* #	c 52	NASA-CASE-GSC-12652-1	US-PATENT-CLASS-423-446	US-PATENT-CLASS-204-192N
		US-PATENT-APPL-SN-377891	US-PATENT-CLASS-423-449	US-PATENT-CLASS-204-192R
		US-PATENT-CLASS-128-24-A	US-PATENT-4,490,229	US-PATENT-CLASS-423-445
		US-PATENT-CLASS-128-328	NAS 1.71:GSC-12892-1	US-PATENT-CLASS-423-446
		US-PATENT-4,474,180	NASA-CASE-GSC-12892-1	US-PATENT-CLASS-423-449
N84-35112* #	c 76	NASA-CASE-NPO-15786-1	US-PATENT-APPL-SN-655606	US-PATENT-CLASS-427-39
		US-PATENT-APPL-SN-366103	NAS 1.71:MSC-20187-1	US-PATENT-4,437,962
		US-PATENT-CLASS-204-1T	NASA-CASE-MSC-20187-1	US-PATENT-4,495,044
		US-PATENT-CLASS-204-37.6	US-PATENT-APPL-SN-649327	NAS 1.71:GSC-12808-1
		US-PATENT-CLASS-204-56R	NAS 1.71:NPO-163371-1	NASA-CASE-GSC-12808-1
		US-PATENT-CLASS-324-158D	NASA-CASE-NPO-163371-1	US-PATENT-APPL-SN-462497
		US-PATENT-CLASS-324-158T	US-PATENT-APPL-SN-683111	US-PATENT-CLASS-376-159
		US-PATENT-4,462,871	NAS 1.71:GSC-12789-1	US-PATENT-4,483,817
N84-35113* #	c 76	NASA-CASE-NPO-15629-1	NASA-CASE-GSC-12789-1	NAS 1.71:MFS-25721-1
		US-PATENT-APPL-SN-371351	US-PATENT-APPL-SN-409680	NASA-CASE-MFS-25721-1
		US-PATENT-CLASS-156-DIG.64	US-PATENT-CLASS-177-147	US-PATENT-APPL-SN-492964
		US-PATENT-CLASS-156-DIG.88	US-PATENT-CLASS-177-260	US-PATENT-CLASS-556-410
		US-PATENT-CLASS-156-DIG.98	US-PATENT-CLASS-73-862.54	US-PATENT-4,474,975
		US-PATENT-CLASS-156-608	US-PATENT-4,479,560	NAS 1.71:ARC-11368-2
		US-PATENT-CLASS-156-617-SP	NAS 1.71:ARC-11368-2	NASA-CASE-ARC-11368-2
		US-PATENT-CLASS-156-617-V	NASA-CASE-LAR-13065-1	US-PATENT-APPL-SN-175452
		US-PATENT-CLASS-422-246	US-PATENT-APPL-SN-484745	US-PATENT-APPL-SN-288267
		US-PATENT-CLASS-422-249	US-PATENT-CLASS-73-187	US-PATENT-APPL-SN-502820
		US-PATENT-4,469,552	US-PATENT-4,485,671	US-PATENT-CLASS-526-262
N85-19985* #	c 08	NAS 1.71:LAR-12787-2	NAS 1.71:MFS-25981-1	US-PATENT-CLASS-526-274
		NASA-CASE-LAR-12787-2	NASA-CASE-MFS-25981-1	US-PATENT-CLASS-528-167
		US-PATENT-APPL-SN-301078	US-PATENT-APPL-SN-657310	US-PATENT-CLASS-528-168
		US-PATENT-APPL-SN-5226628	NAS 1.71:MFS-28008-1	US-PATENT-CLASS-528-170
		US-PATENT-CLASS-244-214	NASA-CASE-MFS-28008-1	US-PATENT-CLASS-528-321
		US-PATENT-CLASS-244-90R	US-PATENT-APPL-SN-684194	US-PATENT-CLASS-528-322
		US-PATENT-4,485,992	NAS 1.71:GSC-12582-2	US-PATENT-4,276,344
N85-19990* #	c 09	NAS 1.71:KSC-11218-1	NASA-CASE-GSC-12582-2	US-PATENT-4,395,557
		NASA-CASE-KSC-11218-1	US-PATENT-APPL-SN-220213	US-PATENT-4,496,701
		US-PATENT-APPL-SN-387649	US-PATENT-APPL-SN-415960	NAS 1.71:ARC-11413-1
		US-PATENT-CLASS-434-242	US-PATENT-CLASS-104-281	NASA-CASE-ARC-11413-1
		US-PATENT-CLASS-434-243	US-PATENT-CLASS-104-284	US-PATENT-APPL-SN-440656
		US-PATENT-CLASS-434-35	US-PATENT-CLASS-308-10	US-PATENT-CLASS-528-125
		US-PATENT-CLASS-434-49	US-PATENT-4,473,259	US-PATENT-CLASS-528-126
		US-PATENT-4,490,117	NAS 1.71:MSC-20112-1	US-PATENT-CLASS-528-128
N85-20008* #	c 20	NAS 1.71:MFG-25989-1	NASA-CASE-MSC-20112-1	US-PATENT-CLASS-528-166
		NASA-CASE-MFG-25989-1	US-PATENT-APPL-SN-392104	US-PATENT-CLASS-528-185
		US-PATENT-APPL-SN-690273	US-PATENT-CLASS-251-265	US-PATENT-CLASS-528-186
N85-20123* #	c 27	NAS 1.71:LAR-12723-1	US-PATENT-CLASS-251-267	US-PATENT-CLASS-528-187
		NASA-CASE-LAR-12723-1	US-PATENT-CLASS-251-284	US-PATENT-CLASS-528-226
		US-PATENT-APPL-SN-199768	US-PATENT-CLASS-251-297	US-PATENT-CLASS-528-229
		US-PATENT-CLASS-525-420	US-PATENT-CLASS-74-424.8A	US-PATENT-CLASS-528-352
		US-PATENT-CLASS-528-183	US-PATENT-CLASS-74-424.8B	US-PATENT-CLASS-528-353
		US-PATENT-CLASS-528-192	US-PATENT-4,483,512	US-PATENT-4,499,260
		US-PATENT-CLASS-528-220	NAS 1.71:LEW-13414-1	NAS 1.71:LAR-12775-2
		US-PATENT-CLASS-528-336	NASA-CASE-LEW-13414-1	NASA-CASE-LAR-12775-2
		US-PATENT-CLASS-528-345	US-PATENT-APPL-SN-465364	US-PATENT-APPL-SN-308021
		US-PATENT-4,395,540	US-PATENT-CLASS-136-256	US-PATENT-APPL-SN-461788
N85-20124* #	c 27	NAS 1.71:LAR-12858-2	US-PATENT-CLASS-427-85	US-PATENT-CLASS-525-181
		NASA-CASE-LAR-12858-2	US-PATENT-4,478,879	US-PATENT-CLASS-525-182
		US-PATENT-APPL-SN-407240	NAS 1.71:MFS-26011-1-SB	US-PATENT-CLASS-525-183
		US-PATENT-APPL-SN-492282	NASA-CASE-MFS-26011-1SB	US-PATENT-CLASS-525-184
		US-PATENT-CLASS-264-DIG.65	US-PATENT-APPL-SN-655605	US-PATENT-CLASS-525-474
		US-PATENT-CLASS-264-112	NAS 1.71:NPO-16394-1	US-PATENT-4,389,504
		US-PATENT-CLASS-264-120	NASA-CASE-NPO-16394-1	US-PATENT-4,497,935
		US-PATENT-CLASS-264-137	US-PATENT-APPL-SN-690284	NAS 1.71:LEW-13770-3
		US-PATENT-CLASS-264-152	NAS 1.71:LAR-12979-1	NASA-CASE-LEW-13770-3
		US-PATENT-CLASS-264-258	NASA-CASE-LAR-12979-1	US-PATENT-APPL-SN-516217
		US-PATENT-CLASS-264-331.12	US-PATENT-APPL-SN-508371	US-PATENT-APPL-SN-561431
		US-PATENT-CLASS-264-331.19	US-PATENT-CLASS-244-139	US-PATENT-CLASS-526-217
				US-PATENT-CLASS-526-262

		US-PATENT-CLASS-528-229				NASA-CASE-NPO-16027-1			US-PATENT-CLASS-55-15
		US-PATENT-CLASS-528-315				US-PATENT-APPL-SN-500044			US-PATENT-CLASS-55-277
		US-PATENT-CLASS-528-322				US-PATENT-CLASS-73-40.5A			US-PATENT-4,475,921
		US-PATENT-CLASS-528-336				US-PATENT-CLASS-73-753	N85-22105* #	c 71	NAS 1.71:NPO-16022-1
		US-PATENT-CLASS-528-342				US-PATENT-4,498,333			NASA-CASE-NPO-16022-1
N85-21351* #	c 27	US-PATENT-4,497,948	N85-21598* #	c 35	NAS 1.71:WLP-10055-2				US-PATENT-APPL-SN-526750
		NAS 1.71:LEW-13770-4			NASA-CASE-WLP-10055-2				US-PATENT-CLASS-73-505
		NASA-CASE-LEW-13770-4			US-PATENT-APPL-SN-352827				US-PATENT-4,463,606
		US-PATENT-APPL-SN-516217			US-PATENT-APPL-SN-526770	N85-22139* #	c 74	NAS 1.71:NPO-15155-1	NASA-CASE-NPO-15155-1
		US-PATENT-APPL-SN-561429			US-PATENT-CLASS-29-610SG				US-PATENT-APPL-SN-242797
		US-PATENT-CLASS-526-262			US-PATENT-4,425,808				US-PATENT-CLASS-250-221
		US-PATENT-CLASS-528-229			US-PATENT-4,498,231				US-PATENT-CLASS-340-555
		US-PATENT-CLASS-528-322	N85-21631* #	c 36	NAS 1.71:NPO-15790-1				US-PATENT-4,479,053
		US-PATENT-CLASS-528-342			NASA-CASE-NPO-15790-1				NAS 1.71:NPO-15800-2
N85-21352* #	c 27	US-PATENT-4,497,939			US-PATENT-APPL-SN-423016	N85-22178* #	c 76	NASA-CASE-NPO-15800-2	US-PATENT-APPL-SN-674395
		NAS 1.71:LEW-13770-5			US-PATENT-CLASS-250-339				NASA-CASE-NPO-15800-2
		NASA-CASE-LEW-13770-5			US-PATENT-CLASS-250-343				US-PATENT-APPL-SN-674395
		US-PATENT-APPL-SN-516217	N85-21639* #	c 36	US-PATENT-4,489,239	N85-22877* #	c 33	NAS 1.71:MFS-25861-1	NASA-CASE-MFS-25861-1
		US-PATENT-APPL-SN-561435			NAS 1.71:GSC-12558-1				NASA-CASE-MFS-25861-1
		US-PATENT-CLASS-526-262			NASA-CASE-GSC-12558-1				US-PATENT-APPL-SN-504345
		US-PATENT-CLASS-528-229			US-PATENT-APPL-SN-383086				US-PATENT-CLASS-318-729
		US-PATENT-CLASS-528-322			US-PATENT-CLASS-356-43				US-PATENT-CLASS-318-812
		US-PATENT-CLASS-528-342			US-PATENT-CLASS-356-45				US-PATENT-4,489,264
		US-PATENT-4,497,940			US-PATENT-CLASS-374-137	N85-23396* #	c 74	NAS 1.71:NPO-15801-1	NASA-CASE-NPO-15801-1
N85-21364* #	c 27	NAS 1.71:ARC-11533-1			US-PATENT-CLASS-73-705				US-PATENT-APPL-SN-478130
		NASA-CASE-ARC-11533-1			US-PATENT-4,493,553				US-PATENT-CLASS-350-168
		US-PATENT-APPL-SN-641147	N85-21649* #	c 37	NAS 1.71:MSC-20319-1				US-PATENT-CLASS-350-505
N85-21404* #	c 31	NAS 1.71:GSC-12799-1			NASA-CASE-MSC-20319-1				US-PATENT-CLASS-350-619
		NASA-CASE-GSC-12799-1			US-PATENT-APPL-SN-393582				US-PATENT-CLASS-356-323
		US-PATENT-APPL-SN-461724			US-PATENT-CLASS-292-252				US-PATENT-CLASS-356-330
		US-PATENT-CLASS-31-35			US-PATENT-CLASS-403-317				US-PATENT-CLASS-356-331
		US-PATENT-CLASS-310-22			US-PATENT-CLASS-81-177G				US-PATENT-4,497,540
		US-PATENT-CLASS-417-417			US-PATENT-4,483,639	N85-25436* #	c 24	NAS 1.15:76884	NASA-TM-76884
		US-PATENT-CLASS-417-488	N85-21650* #	c 37	NAS 1.71:NPO-15483-1				NAS 1.71:LAR-13286-1
		US-PATENT-CLASS-62-6			NASA-CASE-NPO-15483-1	N85-28922* #	c 02	NASA-CASE-LAR-13286-1	NASA-CASE-LAR-13286-1
		US-PATENT-CLASS-92-98R			US-PATENT-APPL-SN-387648				US-PATENT-APPL-SN-686959
		US-PATENT-4,500,265			US-PATENT-CLASS-125-13R				NAS 1.71:MFS-28057-1
N85-21427* #	c 32	NAS 1.71:MSC-18578-1			US-PATENT-CLASS-125-15	N85-28951* #	c 09	US-PATENT-APPL-SN-729766	NASA-CASE-MFS-28057-1
		NASA-CASE-MSC-18578-1			US-PATENT-CLASS-51-73R				US-PATENT-APPL-SN-729766
		US-PATENT-APPL-SN-367132			US-PATENT-CLASS-82-90	N85-28973* #	c 23	NASA-CASE-LAR-13262-1	US-PATENT-APPL-SN-608741
		US-PATENT-CLASS-358-161			US-PATENT-CLASS-83-664				US-PATENT-CLASS-525-532
		US-PATENT-CLASS-358-174			US-PATENT-CLASS-83-676				US-PATENT-CLASS-525-534
		US-PATENT-CLASS-358-217			US-PATENT-4,475,527				US-PATENT-CLASS-528-86
		US-PATENT-CLASS-358-219	N85-21651* #	c 37	NAS 1.71:LAR-12868-1				US-PATENT-4,510,296
		US-PATENT-4,495,520			NASA-CASE-LAR-12868-1	N85-28975* #	c 24	NAS 1.71:LAR-13150-1	NASA-CASE-LAR-13150-1
N85-21428* #	c 32	NAS 1.71:NPO-15433-1			US-PATENT-APPL-SN-322321				US-PATENT-APPL-SN-729767
		NASA-CASE-NPO-15433-1			US-PATENT-CLASS-374-208	N85-28982* #	c 25	NASA-CASE-LEW-13770-2	US-PATENT-APPL-SN-404809
		US-PATENT-APPL-SN-250585			US-PATENT-CLASS-374-210				US-PATENT-APPL-SN-516217
		US-PATENT-CLASS-364-200			US-PATENT-4,491,427				US-PATENT-CLASS-526-262
N85-21441* #	c 32	US-PATENT-4,493,021	N85-21652* #	c 37	NAS 1.71:NPO-15851-1				US-PATENT-CLASS-528-322
		NAS 1.71:LAR-13310-1			NASA-CASE-NPO-15851-1				US-PATENT-CLASS-528-342
		NASA-CASE-LAR-13310-1			US-PATENT-APPL-SN-415879				US-PATENT-4,515,418
		US-PATENT-APPL-SN-709257			US-PATENT-CLASS-134-37	N85-29005* #	c 26	NASA-CASE-NPO-15928-1	US-PATENT-APPL-SN-537616
N85-21491* #	c 33	NAS 1.71:NPO-15560-1			US-PATENT-CLASS-15-406				US-PATENT-CLASS-204-192N
		NASA-CASE-NPO-15560-1			US-PATENT-CLASS-422-129				US-PATENT-CLASS-427-38
		US-PATENT-APPL-SN-275909			US-PATENT-CLASS-422-199				US-PATENT-CLASS-427-47
		US-PATENT-CLASS-250-426			US-PATENT-4,500,492				US-PATENT-4,522,844
		US-PATENT-CLASS-313-131A	N85-21723* #	c 43	NAS 1.71:NPO-15651-1				NASA-CASE-NPO-16103-1
		US-PATENT-CLASS-315-111.31			NASA-CASE-NPO-15651-1				US-PATENT-APPL-SN-617871
		US-PATENT-CLASS-315-111.81			US-PATENT-APPL-SN-375620				US-PATENT-CLASS-525-26
		US-PATENT-4,475,063			US-PATENT-CLASS-343-352				US-PATENT-CLASS-525-47
N85-21492* #	c 33	NAS 1.71:LEW-13833-1			US-PATENT-CLASS-374-122				US-PATENT-CLASS-526-328
		NASA-CASE-LEW-13833-1			US-PATENT-4,499,470				US-PATENT-CLASS-526-329
		US-PATENT-APPL-SN-486471	N85-21768* #	c 44	NAS 1.71:LEW-13827-1	N85-29043* #	c 27	NASA-CASE-NPO-16103-1	US-PATENT-CLASS-528-288
		US-PATENT-CLASS-136-255			NASA-CASE-LEW-13827-1				US-PATENT-CLASS-528-289
		US-PATENT-CLASS-357-12			US-PATENT-APPL-SN-486470				US-PATENT-CLASS-528-303
		US-PATENT-CLASS-357-30			US-PATENT-CLASS-136-225				US-PATENT-CLASS-528-304
		US-PATENT-4,482,779			US-PATENT-CLASS-136-246				US-PATENT-4,523,008
N85-21493* #	c 33	NAS 1.71:NPO-15920-1			US-PATENT-CLASS-357-30				NASA-CASE-GSC-12883-1
		NASA-CASE-NPO-15920-1			US-PATENT-4,482,778	N85-29044* #	c 27	NASA-CASE-GSC-12883-1	US-PATENT-APPL-SN-604337
		US-PATENT-APPL-SN-403848			NAS 1.71:MFS-25637-1				US-PATENT-CLASS-523-135
		US-PATENT-CLASS-343-17.7	N85-21769* #	c 44	NASA-CASE-MFS-25637-1				US-PATENT-CLASS-524-388
		US-PATENT-CLASS-343-376			US-PATENT-APPL-SN-375684				US-PATENT-CLASS-524-567
		US-PATENT-4,488,155			US-PATENT-CLASS-290-1R				US-PATENT-4,518,722
N85-21568* #	c 34	NAS 1.71:LAR-12588-1			US-PATENT-CLASS-290-4R				NASA-CASE-NPO-16257-1
		NASA-CASE-LAR-12588-1			US-PATENT-CLASS-307-64	N85-29082* #	c 31	NASA-CASE-NPO-16257-1	US-PATENT-APPL-SN-588164
		US-PATENT-APPL-SN-234222			US-PATENT-CLASS-307-66				US-PATENT-CLASS-62-3
		US-PATENT-CLASS-165-104.26			US-PATENT-CLASS-318-46				US-PATENT-4,507,928
		US-PATENT-CLASS-73-179			US-PATENT-CLASS-318-729	N85-29083* #	c 31	NASA-CASE-LAR-13181-1	US-PATENT-APPL-SN-507623
		US-PATENT-CLASS-73-708			US-PATENT-4,489,243				US-PATENT-CLASS-156-272.4
		US-PATENT-4,485,670	N85-21846* #	c 46	NAS 1.71:NPO-15430-1				US-PATENT-CLASS-156-380.2
N85-21595* #	c 35	NAS 1.71:MSC-20275-1			NASA-CASE-NPO-15430-1				US-PATENT-CLASS-219-10.49
		NASA-CASE-MSC-20275-1			US-PATENT-APPL-SN-322317				US-PATENT-CLASS-219-10.53
		US-PATENT-APPL-SN-425205			US-PATENT-CLASS-343-352				US-PATENT-CLASS-219-10.77
		US-PATENT-CLASS-222-309			US-PATENT-CLASS-343-460				US-PATENT-4,521,659
		US-PATENT-CLASS-222-340			US-PATENT-CLASS-343-5W				NASA-CASE-NPO-15432-1
		US-PATENT-CLASS-222-43			US-PATENT-4,463,357				
		US-PATENT-CLASS-222-48	N85-21992* #	c 60	NAS 1.71:NPO-15295-1				
		US-PATENT-4,486,663			NASA-CASE-NPO-15295-1				
N85-21596* #	c 35	NAS 1.71:NPO-15759-1			US-PATENT-APPL-SN-291645				
		NASA-CASE-NPO-15759-1			US-PATENT-CLASS-364-200				
		US-PATENT-APPL-SN-367136			US-PATENT-4,481,570				
		US-PATENT-CLASS-324-427	N85-22104* #	c 71	NAS 1.71:NPO-15466-1				
		US-PATENT-CLASS-429-58			NASA-CASE-NPO-15466-1				
		US-PATENT-4,499,424			US-PATENT-APPL-SN-361217				
N85-21597* #	c 35	NAS 1.71:NPO-16027-1			US-PATENT-CLASS-23-313R	N85-29117* #	c 32	NASA-CASE-NPO-15432-1	

			US-PATENT-APPL-SN-425204				US-PATENT-4,515,751				US-PATENT-4,514,143		
			US-PATENT-CLASS-358-109			N85-29214* #	c 35	.....	NASA-CASE-MSC-25707-1	N85-29991* #	c 18	.....	NASA-CASE-MFS-25837-1
			US-PATENT-CLASS-358-133						US-PATENT-APPL-SN-359627				US-PATENT-APPL-SN-401282
			US-PATENT-4,513,317						US-PATENT-CLASS-126-263				US-PATENT-CLASS-244-118.1
N85-29118* #	c 32	.....	NASA-CASE-NPO-15743-1						US-PATENT-CLASS-165-48R				US-PATENT-CLASS-244-158R
			US-PATENT-APPL-SN-448881						US-PATENT-CLASS-165-61				US-PATENT-CLASS-248-503
			US-PATENT-CLASS-343-876						US-PATENT-CLASS-165-64				US-PATENT-CLASS-248-555
			US-PATENT-CLASS-455-73						US-PATENT-CLASS-244-163				US-PATENT-CLASS-403-143
			US-PATENT-4,503,436						US-PATENT-4,513,810				US-PATENT-CLASS-403-56
N85-29121* #	c 32	.....	NAS 1.71:NPO-16414-1-CU			N85-29216* #	c 35	.....	NAS 1.71:LAR-13268-1				US-PATENT-CLASS-403-76
			NASA-CASE-NPO-16414-1-CU						NASA-CASE-LAR-13268-1				US-PATENT-CLASS-403-90
			US-PATENT-APPL-SN-727719						US-PATENT-APPL-SN-727034				US-PATENT-CLASS-410-79
N85-29142* #	c 33	.....	NASA-CASE-NPO-15553-1			N85-29218* #	c 35	.....	NAS 1.71:LAR-12871-1				US-PATENT-CLASS-410-90
			US-PATENT-APPL-SN-437912						NASA-CASE-LAR-12871-1				US-PATENT-4,508,296
			US-PATENT-CLASS-156-DIG.62						US-PATENT-APPL-SN-719797	N85-30027* #	c 24	.....	NASA-CASE-LEW-13828-1
			US-PATENT-CLASS-364-400						NASA-CASE-NPO-16000-1				US-PATENT-APPL-SN-560035
			US-PATENT-CLASS-364-453			N85-29264* #	c 36	.....	US-PATENT-APPL-SN-384547				US-PATENT-CLASS-219-76.14
			US-PATENT-CLASS-74-5.6D						US-PATENT-CLASS-250-339				US-PATENT-CLASS-427-178
			US-PATENT-4,521,854						US-PATENT-CLASS-364-556				US-PATENT-CLASS-427-37
N85-29143* #	c 33	.....	NASA-CASE-NPO-15890-1-CU						US-PATENT-4,509,130				US-PATENT-CLASS-427-422
			US-PATENT-APPL-SN-556513			N85-29282* #	c 37	.....	NASA-CASE-NPO-15037-2				US-PATENT-4,518,625
			US-PATENT-CLASS-331-3						US-PATENT-APPL-SN-161257	N85-30039* #	c 25	.....	NASA-CASE-LEW-13770-6
			US-PATENT-CLASS-331-31						US-PATENT-APPL-SN-431420				US-PATENT-APPL-SN-516217
			US-PATENT-CLASS-331-36C						US-PATENT-CLASS-415-1				US-PATENT-APPL-SN-561434
			US-PATENT-CLASS-331-94.1						US-PATENT-CLASS-415-68				US-PATENT-CLASS-526-204
			US-PATENT-CLASS-331-96						US-PATENT-4,514,137				US-PATENT-CLASS-526-217
			US-PATENT-CLASS-333-231			N85-29283* #	c 37	.....	NASA-CASE-MSC-18852-1				US-PATENT-CLASS-526-262
			US-PATENT-4,517,530						US-PATENT-APPL-SN-392094				US-PATENT-CLASS-528-314
N85-29144* #	c 33	.....	NASA-CASE-LEW-13102-1						US-PATENT-CLASS-239-DIG.23				US-PATENT-CLASS-528-322
			US-PATENT-APPL-SN-282298						US-PATENT-CLASS-239-288				US-PATENT-4,495,339
			US-PATENT-CLASS-429-206						US-PATENT-CLASS-239-322	N85-30187* #	c 33	.....	NASA-CASE-NPO-16021-1
			US-PATENT-CLASS-429-249						US-PATENT-CLASS-239-327				US-PATENT-APPL-SN-402205
			US-PATENT-4,505,998						US-PATENT-CLASS-239-375				US-PATENT-CLASS-324-158R
N85-29145* #	c 33	.....	NASA-CASE-GSC-12788-1						US-PATENT-CLASS-239-590				US-PATENT-CLASS-324-65R
			US-PATENT-APPL-SN-434085						US-PATENT-CLASS-55-DIG.42				US-PATENT-4,516,071
			US-PATENT-CLASS-307-271						US-PATENT-4,519,545	N85-30202* #	c 33	.....	NAS 1.71:ARC-11536-1
			US-PATENT-CLASS-307-520			N85-29284* #	c 37	.....	NASA-CASE-MSC-20148-1				NASA-CASE-ARC-11536-1
			US-PATENT-CLASS-307-521						US-PATENT-APPL-SN-636465				US-PATENT-APPL-SN-725714
			US-PATENT-CLASS-307-529						US-PATENT-CLASS-251-325	N85-30281* #	c 35	.....	NASA-CASE-GSC-12851-1
			US-PATENT-CLASS-328-167						US-PATENT-CLASS-251-349				US-PATENT-APPL-SN-459842
			US-PATENT-CLASS-330-302						US-PATENT-CLASS-251-353				US-PATENT-CLASS-250-363S
			US-PATENT-CLASS-330-306						US-PATENT-CLASS-277-135				US-PATENT-CLASS-250-369
			US-PATENT-4,521,702						US-PATENT-CLASS-277-80	N85-30282* #	c 35	.....	US-PATENT-4,521,688
N85-29146* #	c 33	.....	NASA-CASE-GSC-12817-1						US-PATENT-4,523,741				NASA-CASE-LAR-12966-1
			US-PATENT-APPL-SN-506477			N85-29285* #	c 37	.....	NASA-CASE-LAR-13009-1				US-PATENT-APPL-SN-414237
			US-PATENT-CLASS-336-198						US-PATENT-APPL-SN-495380				US-PATENT-CLASS-356-351
			US-PATENT-CLASS-336-84C						US-PATENT-CLASS-403-28				US-PATENT-CLASS-356-358
			US-PATENT-4,510,476						US-PATENT-CLASS-403-408				US-PATENT-CLASS-73-657
N85-29147* #	c 33	.....	NASA-CASE-GSC-12818-1						US-PATENT-CLASS-411-368				US-PATENT-4,512,661
			US-PATENT-APPL-SN-511362						US-PATENT-CLASS-411-378	N85-30305* #	c 36	.....	NASA-CASE-NPO-15980-1
			US-PATENT-CLASS-307-82						US-PATENT-CLASS-411-426				US-PATENT-APPL-SN-385220
			US-PATENT-CLASS-363-100						US-PATENT-CLASS-411-501				US-PATENT-CLASS-357-17
			US-PATENT-CLASS-363-19						US-PATENT-CLASS-411-531				US-PATENT-CLASS-357-40
			US-PATENT-CLASS-363-23						US-PATENT-4,512,699				US-PATENT-CLASS-357-46
			US-PATENT-CLASS-363-61			N85-29286* #	c 37	.....	NASA-CASE-LAR-13040-1				US-PATENT-CLASS-372-38
			US-PATENT-CLASS-363-71						US-PATENT-APPL-SN-547176				US-PATENT-CLASS-372-46
			US-PATENT-CLASS-378-104						US-PATENT-CLASS-219-201				US-PATENT-CLASS-372-50
			US-PATENT-CLASS-378-112						US-PATENT-CLASS-219-221				US-PATENT-4,513,423
			US-PATENT-4,517,472						US-PATENT-CLASS-219-285	N85-30333* #	c 37	.....	NASA-CASE-LEW-13717-1
N85-29149* #	c 33	.....	NAS 1.71:LEW-14108-1						US-PATENT-CLASS-414-217				US-PATENT-APPL-SN-463456
			NASA-CASE-LEW-14108-1						US-PATENT-CLASS-73-863.11				US-PATENT-CLASS-310-77
			US-PATENT-APPL-SN-732321						US-PATENT-CLASS-73-864.81				US-PATENT-CLASS-310-93
N85-29150* #	c 33	.....	NAS 1.71:ARC-11613-1						US-PATENT-4,516,435				US-PATENT-CLASS-318-611
			NASA-CASE-ARC-11613-1			N85-29287* #	c 37	.....	NAS 1.71:LAR-13198-1				US-PATENT-CLASS-335-100
			US-PATENT-APPL-SN-739792						NASA-CASE-LAR-13198-1				US-PATENT-4,517,505
N85-29179* #	c 34	.....	NASA-CASE-LEW-12950-2						US-PATENT-APPL-SN-729704	N85-30334* #	c 37	.....	NASA-CASE-MSC-20080-1
			US-PATENT-APPL-SN-202228						NAS 1.71:MFS-28001-1				US-PATENT-APPL-SN-393584
			US-PATENT-APPL-SN-507626			N85-29289* #	c 37	.....	NASA-CASE-MFS-28001-1				US-PATENT-CLASS-403-15
			US-PATENT-CLASS-165-104.14						US-PATENT-APPL-SN-739788				US-PATENT-CLASS-403-16
			US-PATENT-CLASS-165-32						NASA-CASE-NPO-16147-1-CU				US-PATENT-CLASS-403-322
			US-PATENT-CLASS-310-306			N85-29693* #	c 71	.....	US-PATENT-APPL-SN-559988				US-PATENT-CLASS-89-1.57
			US-PATENT-4,506,183						US-PATENT-CLASS-73-505				US-PATENT-4,512,678
N85-29180* #	c 34	.....	NASA-CASE-MSC-20497-1						US-PATENT-4,520,656	N85-30335* #	c 37	.....	NASA-CASE-LAR-12738-2
			US-PATENT-APPL-SN-615505						NASA-CASE-NPO-15464-1				US-PATENT-APPL-SN-539230
			US-PATENT-CLASS-122-366			N85-29749* #	c 74	.....	US-PATENT-APPL-SN-342828				US-PATENT-CLASS-244-158-A
			US-PATENT-CLASS-165-1						US-PATENT-CLASS-156-166				US-PATENT-CLASS-411-103
			US-PATENT-CLASS-165-104.26						US-PATENT-CLASS-350-320				US-PATENT-CLASS-411-108
			US-PATENT-4,515,207						US-PATENT-CLASS-350-96.15				US-PATENT-CLASS-52-127.7
N85-29182* #	c 34	.....	NAS 1.71:NPO-16494-1-CU						US-PATENT-4,523,810				US-PATENT-CLASS-52-506
			NASA-CASE-NPO-16494-1-CU			N85-29750* #	c 74	.....	NASA-CASE-MSC-18417-1				US-PATENT-CLASS-52-745
			US-PATENT-APPL-SN-739789						US-PATENT-APPL-SN-523559				US-PATENT-4,520,601
N85-29212* #	c 35	.....	NASA-CASE-NPO-15722-1						US-PATENT-CLASS-350-312	N85-30336* #	c 37	.....	NASA-CASE-LAR-12864-1
			US-PATENT-APPL-SN-457992						US-PATENT-CLASS-350-319				US-PATENT-APPL-SN-387646
			US-PATENT-CLASS-204-1T						US-PATENT-CLASS-350-321				US-PATENT-CLASS-403-102
			US-PATENT-CLASS-204-430						US-PATENT-CLASS-52-171				US-PATENT-CLASS-403-322
			US-PATENT-CLASS-73-336.5						US-PATENT-4,521,077				US-PATENT-CLASS-403-348
			US-PATENT-4,514,178			N85-29800* #	c 76	.....	NASA-CASE-NPO-15772-1				US-PATENT-4,518,277
N85-29213* #	c 35	.....	NASA-CASE-MSC-18866-1						US-PATENT-APPL-SN-392944	N85-30474* #	c 44	.....	NASA-CASE-NPO-15419-2
			US-PATENT-APPL-SN-350471						US-PATENT-CLASS-156-623Q				US-PATENT-APPL-SN-259208
			US-PATENT-CLASS-422-103						US-PATENT-CLASS-23-295R				US-PATENT-APPL-SN-542557
			US-PATENT-CLASS-422-86						US-PATENT-4,512,846				US-PATENT-CLASS-126-DIG.1
			US-PATENT-CLASS-422-88			N85-29947* #	c 05	.....	NASA-CASE-ARC-11444-1				US-PATENT-CLASS-126-400
			US-PATENT-CLASS-436-2						US-PATENT-APPL-SN-489675				US-PATENT-CLASS-126-415
			US-PATENT-CLASS-73-40.7						US-PATENT-CLASS-416-145				US-PATENT-CLASS-126-419
			US-PATENT-CLASS-73-863.86						US-PATENT-CLASS-416-23				US-PATENT-CLASS-126-900
			US-PATENT-CLASS-73-864.52						US-PATENT-CLASS-416-500				US-PATENT-4,512,332

N85-30475* #	c 44	NASA-CASE-NPO-16155-1 US-PATENT-APPL-SN-578390 US-PATENT-CLASS-136-255 US-PATENT-CLASS-136-256 US-PATENT-CLASS-136-261 US-PATENT-CLASS-357-30 US-PATENT-4,524,237	US-PATENT-CLASS-428-413 US-PATENT-CLASS-525-107 US-PATENT-CLASS-525-113 US-PATENT-CLASS-525-119 US-PATENT-CLASS-525-186 US-PATENT-CLASS-525-229 US-PATENT-CLASS-528-113 US-PATENT-CLASS-528-117 US-PATENT-CLASS-528-407 US-PATENT-CLASS-528-94 US-PATENT-4,537,834	US-PATENT-APPL-SN-493179 US-PATENT-CLASS-435-160 US-PATENT-CLASS-435-842 US-PATENT-4,539,293				
N85-30618* #	c 52	NASA-CASE-LAR-13028-1 US-PATENT-APPL-SN-582492 US-PATENT-CLASS-128-660 US-PATENT-CLASS-128-736 US-PATENT-CLASS-374-117 US-PATENT-CLASS-374-160 US-PATENT-4,513,750	N85-34282* #	c 27	NASA-CASE-LAR-13226-1 US-PATENT-APPL-SN-548583 US-PATENT-CLASS-523-454 US-PATENT-CLASS-523-458 US-PATENT-CLASS-528-106 US-PATENT-CLASS-528-229 US-PATENT-CLASS-528-407 US-PATENT-CLASS-528-92 US-PATENT-4,510,277	N85-35233* #	c 24	NASA-CASE-LEW-14057-1 US-PATENT-APPL-SN-375784 US-PATENT-APPL-SN-523297 US-PATENT-APPL-SN-640712 US-PATENT-CLASS-428-633 US-PATENT-CLASS-428-656 US-PATENT-CLASS-428-678 US-PATENT-CLASS-428-679 US-PATENT-CLASS-428-680 US-PATENT-CLASS-428-681 US-PATENT-CLASS-428-682 US-PATENT-4,485,151 US-PATENT-4,535,033
N85-30765* #	c 71	NASA-CASE-NPO-15559-1 US-PATENT-APPL-SN-379601 US-PATENT-CLASS-181-0.5 US-PATENT-CLASS-209-422 US-PATENT-CLASS-209-638 US-PATENT-4,523,682	N85-34327* #	c 32	NASA-CASE-NPO-15704-1 US-PATENT-APPL-SN-359382 US-PATENT-CLASS-343-17.2-PC US-PATENT-CLASS-343-5-CM US-PATENT-CLASS-343-5-W US-PATENT-4,509,048	N85-35253* #	c 25	NASA-CASE-NPO-15924-1 US-PATENT-APPL-SN-526768 US-PATENT-CLASS-201-17 US-PATENT-CLASS-44-1-SR US-PATENT-4,511,362
N85-30922* #	c 76	NASA-CASE-NPO-15813-1 US-PATENT-APPL-SN-507624 US-PATENT-CLASS-148-DIG.26 US-PATENT-CLASS-148-174 US-PATENT-CLASS-148-175 US-PATENT-CLASS-148-33.2 US-PATENT-CLASS-156-DIG.65 US-PATENT-CLASS-156-DIG.88 US-PATENT-CLASS-156-612 US-PATENT-CLASS-29-576E US-PATENT-CLASS-29-576J US-PATENT-CLASS-29-576W US-PATENT-CLASS-29-578 US-PATENT-CLASS-357-4 US-PATENT-CLASS-357-50 US-PATENT-4,522,661	N85-34333* #	c 33	NASA-CASE-NPO-15696-1 US-PATENT-APPL-SN-387647 US-PATENT-CLASS-364-571 US-PATENT-CLASS-364-578 US-PATENT-CLASS-372-32 US-PATENT-4,509,132	N85-35267* #	c 26	NASA-CASE-LEW-13923-1 US-PATENT-APPL-SN-571617 US-PATENT-CLASS-427-191 US-PATENT-CLASS-427-228 US-PATENT-CLASS-427-294 US-PATENT-CLASS-427-376.2 US-PATENT-CLASS-427-380 US-PATENT-CLASS-427-397.7 US-PATENT-CLASS-428-698 US-PATENT-CLASS-428-704 US-PATENT-4,535,035
N85-30923* #	c 76	NASA-CASE-LAR-12893-1 US-PATENT-APPL-SN-364041 US-PATENT-CLASS-204-1T US-PATENT-CLASS-324-158D US-PATENT-CLASS-324-71.5 US-PATENT-4,511,838	N85-34373* #	c 35	NAS 1.71:NPO-15493-2 NAS 1.71:NPO-15494-2 US-PATENT-APPL-SN-563890 US-PATENT-CLASS-324-65-P US-PATENT-CLASS-73-75 US-PATENT-4,532,797	N86-12547* #	c 34	NASA-CASE-LAR-13220-1 US-PATENT-APPL-SN-633179 US-PATENT-CLASS-73-3 US-PATENT-CLASS-73-861.07 US-PATENT-4,538,446
N85-30932* #	c 76	NAS 1.71:MFS-28060-1 NASA-CASE-MFS-28060-1 US-PATENT-APPL-SN-706565	N85-34374* #	c 35	NASA-CASE-ARC-11503-1 US-PATENT-APPL-SN-582643 US-PATENT-CLASS-250-374 US-PATENT-CLASS-250-379 US-PATENT-4,538,066	N86-19304* #	c 04	NASA-CASE-KSC-11155-1 US-PATENT-APPL-SN-425201 US-PATENT-CLASS-343-6.8-R US-PATENT-4,540,986
N85-30933* #	c 76	NAS 1.71:NPO-15813-2 NASA-CASE-NPO-15813-2 US-PATENT-APPL-SN-706564	N85-34375* #	c 35	NASA-CASE-LAR-13243-1 US-PATENT-APPL-SN-590923 US-PATENT-CLASS-73-831 US-PATENT-CLASS-73-856 US-PATENT-4,535,636	N86-19310* #	c 05	NASA-CASE-LAR-13155-1 US-PATENT-APPL-SN-469371 US-PATENT-CLASS-244-158-A US-PATENT-CLASS-244-158-R US-PATENT-CLASS-244-172 US-PATENT-4,557,444
N85-30934* #	c 76	NAS 1.71:NPO-16306-1-CU NASA-CASE-NPO-16306-1-CU US-PATENT-APPL-SN-719798	N85-34401* #	c 37	NASA-CASE-MFS-25907-1 US-PATENT-APPL-SN-510137 US-PATENT-CLASS-244-118.1 US-PATENT-CLASS-244-158R US-PATENT-CLASS-248-550 US-PATENT-CLASS-267-150 US-PATENT-CLASS-267-8R US-PATENT-CLASS-410-156 US-PATENT-4,536,114	N86-19344* #	c 18	NAS 1.71:MSC-20906-1 NASA-CASE-MSC-20906-1 US-PATENT-APPL-SN-779742 US-PATENT-APPL-SN-499126 US-PATENT-CLASS-260-927-N US-PATENT-CLASS-428-410 US-PATENT-CLASS-528-310 US-PATENT-CLASS-548-413 US-PATENT-CLASS-564-113 US-PATENT-4,550,177
N85-33187* #	c 23	NASA-CASE-ARC-11243-2 US-PATENT-APPL-SN-183707 US-PATENT-CLASS-549-335 US-PATENT-4,528,386	N85-34403* #	c 37	NASA-CASE-MSC-20127-2 US-PATENT-APPL-SN-646044 US-PATENT-CLASS-137-116.3 US-PATENT-CLASS-137-99 US-PATENT-4,509,548	N86-19376* #	c 23	NASA-CASE-ARC-11428-1 US-PATENT-APPL-SN-499126 US-PATENT-CLASS-260-927-N US-PATENT-CLASS-428-410 US-PATENT-CLASS-528-310 US-PATENT-CLASS-548-413 US-PATENT-CLASS-564-113 US-PATENT-4,550,177
N85-33433* #	c 34	NASA-CASE-LEW-14039-1 US-PATENT-APPL-SN-580419 US-PATENT-CLASS-415-115 US-PATENT-CLASS-416-97A US-PATENT-4,529,358	N85-34441* #	c 44	NASA-CASE-LEW-14077-1 US-PATENT-APPL-SN-580573 US-PATENT-CLASS-136-253 US-PATENT-4,528,417	N86-19380* #	c 24	NASA-CASE-ARC-11427-1 US-PATENT-APPL-SN-493865 US-PATENT-CLASS-523-433 US-PATENT-CLASS-523-445 US-PATENT-CLASS-523-66468 US-PATENT-CLASS-525-423 US-PATENT-CLASS-525-527 US-PATENT-CLASS-528-102 US-PATENT-CLASS-528-103 US-PATENT-4,550,129
N85-33489* #	c 37	NASA-CASE-LEW-13914-1 US-PATENT-APPL-SN-537615 US-PATENT-CLASS-315-3.5 US-PATENT-CLASS-315-5.38 US-PATENT-CLASS-445.35 US-PATENT-4,527,092	N85-34629* #	c 74	NASA-CASE-NPO-15865-1 US-PATENT-APPL-SN-425202 US-PATENT-CLASS-343-13-R US-PATENT-CLASS-356-5 US-PATENT-4,533,242	N86-19413* #	c 25	NASA-CASE-MSC-20622-1 US-PATENT-APPL-SN-571616 US-PATENT-CLASS-374-46 US-PATENT-CLASS-374-8 US-PATENT-CLASS-422-78 US-PATENT-CLASS-436-155 US-PATENT-CLASS-73-7 US-PATENT-4,561,784
N85-33490* #	c 37	NASA-CASE-LEW-13506-1 US-PATENT-APPL-SN-596960 US-PATENT-CLASS-384-101 US-PATENT-CLASS-384-99 US-PATENT-4,527,910	N85-34722* #	c 85	NASA-CASE-NPO-15949-1 US-PATENT-APPL-SN-457990 US-PATENT-CLASS-414-288 US-PATENT-CLASS-414-328 US-PATENT-CLASS-414-373 US-PATENT-CLASS-414-786 US-PATENT-4,537,554	N86-19455* #	c 27	NASA-CASE-ARC-11405-2 US-PATENT-APPL-SN-514117 US-PATENT-CLASS-260-245.75 US-PATENT-CLASS-260-245.9 US-PATENT-CLASS-528-327 US-PATENT-4,522,755
N85-33701* #	c 60	NASA-CASE-MFS-25319-1 US-PATENT-APPL-SN-437917 US-PATENT-CLASS-364-723 US-PATENT-CLASS-364-853 US-PATENT-4,528,639	N85-35194* #	c 07	NASA-CASE-LAR-13019-1 US-PATENT-APPL-SN-576308 US-PATENT-CLASS-244-199 US-PATENT-CLASS-244-55 US-PATENT-4,533,101	N86-19456* #	c 27	NASA-CASE-LAR-13135-1 US-PATENT-APPL-SN-649328 US-PATENT-CLASS-525-432 US-PATENT-CLASS-525-436 US-PATENT-CLASS-528-179 US-PATENT-CLASS-528-182 US-PATENT-CLASS-528-185 US-PATENT-CLASS-528-352 US-PATENT-CLASS-528-353 US-PATENT-4,552,931
N85-33826* #	c 76	NASA-CASE-MSC-20036-1 US-PATENT-APPL-SN-569372 US-PATENT-CLASS-204-192C US-PATENT-CLASS-204-192P US-PATENT-CLASS-350-342 US-PATENT-CLASS-428-432 US-PATENT-CLASS-428-698 US-PATENT-CLASS-428-913 US-PATENT-4,522,469	N85-35195* #	c 07	NASA-CASE-LEW-13562-1 US-PATENT-APPL-SN-500651 US-PATENT-CLASS-239-402.5 US-PATENT-CLASS-60-39.23 US-PATENT-CLASS-60-748 US-PATENT-4,534,166	N86-19457* #	c 27	NASA-CASE-LEW-13864-1 US-PATENT-APPL-SN-434087 US-PATENT-CLASS-528-229
N85-34280* #	c 27	NASA-CASE-ARC-11522-2 US-PATENT-APPL-SN-641143 US-PATENT-CLASS-528-168 US-PATENT-CLASS-528-229 US-PATENT-CLASS-528-352 US-PATENT-CLASS-528-353 US-PATENT-4,536,565	N85-35200* #	c 08	NASA-CASE-LAR-13076-1 US-PATENT-APPL-SN-532342 US-PATENT-CLASS-244-113 US-PATENT-CLASS-244-139 US-PATENT-CLASS-244-75-R US-PATENT-4,538,778			
N85-34281* #	c 27	NASA-CASE-ARC-11424-1 US-PATENT-APPL-SN-598777 US-PATENT-CLASS-428-260 US-PATENT-CLASS-428-408	N85-35227* #	c 23	NASA-CASE-NPO-16203-1			

ACCESSION NUMBER INDEX

N86-20789

N86-19458* #	c 27	US-PATENT-CLASS-528-322	US-PATENT-CLASS-429-19	N86-20668* #	c 33	US-PATENT-CLASS-358-168
		US-PATENT-CLASS-528-342	US-PATENT-CLASS-429-51			US-PATENT-4,546,248
N86-19458* #	c 27	US-PATENT-CLASS-528-345	US-PATENT-4,543,302	N86-20668* #	c 33	NASA-CASE-GSC-12804-1
		US-PATENT-4,560,742	NAS 1.71:GSC-12844-1			US-PATENT-APPL-SN-529803
N86-19458* #	c 27	NASA-CASE-LEW-14072-1	NASA-CASE-GSC-12944-1	N86-20668* #	c 33	US-PATENT-CLASS-331-1-A
		US-PATENT-APPL-SN-649330	US-PATENT-APPL-SN-793006			US-PATENT-CLASS-331-2
N86-19458* #	c 27	US-PATENT-CLASS-204-192-C	NAS 1.71:NPO-16675-1-CU	N86-20669* #	c 33	US-PATENT-4,550,292
		US-PATENT-CLASS-204-192-D	NASA-CASE-NPO-16675-1-CU			NASA-CASE-GSC-12899-1
N86-19458* #	c 27	US-PATENT-CLASS-204-192-F	US-PATENT-APPL-SN-789266	N86-20669* #	c 33	US-PATENT-APPL-SN-613140
		US-PATENT-CLASS-204/298	NASA-CASE-MFS-25942-1			US-PATENT-CLASS-191-12-2-R
N86-19458* #	c 27	US-PATENT-CLASS-427-248.1	US-PATENT-APPL-SN-571613	N86-20669* #	c 33	US-PATENT-CLASS-242-107
		US-PATENT-CLASS-427-38	US-PATENT-CLASS-378-43			US-PATENT-CLASS-242-54-R
N86-19458* #	c 27	US-PATENT-CLASS-428-446	US-PATENT-CLASS-378-85	N86-20670* #	c 33	US-PATENT-4,542,858
		US-PATENT-CLASS-428-473.5	US-PATENT-4,562,583			NASA-CASE-MFS-25868-1
N86-19458* #	c 27	US-PATENT-CLASS-428-702	NASA-CASE-ARC-11502-1	N86-20670* #	c 33	US-PATENT-APPL-SN-638584
		US-PATENT-4,560,577	US-PATENT-APPL-SN-594134			US-PATENT-CLASS-330-258
N86-19462* #	c 27	NAS 1.71:LAR-13444-1-CU	US-PATENT-CLASS-350-276-R	N86-20671* #	c 33	US-PATENT-CLASS-330-262
		NASA-CASE-LAR-13444-1-CU	US-PATENT-CLASS-350-319			US-PATENT-CLASS-330-311
N86-19479* #	c 31	US-PATENT-APPL-SN-734366	US-PATENT-CLASS-350-448	N86-20671* #	c 33	US-PATENT-4,551,687
		NASA-CASE-LAR-13098-1	US-PATENT-CLASS-350-537			NASA-CASE-LEW-13773-2
N86-19479* #	c 31	US-PATENT-APPL-SN-530339	US-PATENT-CLASS-350-580	N86-20671* #	c 33	US-PATENT-APPL-SN-638541
		US-PATENT-CLASS-16-242	US-PATENT-4,542,963			US-PATENT-CLASS-244-134-D
N86-19479* #	c 31	US-PATENT-CLASS-16-390	NASA-CASE-MSC-20418-1	N86-20126* #	c 74	US-PATENT-CLASS-310-324
		US-PATENT-CLASS-403-171	US-PATENT-APPL-SN-438446			US-PATENT-CLASS-39-25.35
N86-19479* #	c 31	US-PATENT-CLASS-403-64	US-PATENT-CLASS-378-58	N86-20126* #	c 74	US-PATENT-4,545,553
		US-PATENT-CLASS-52-632	US-PATENT-CLASS-378-59			NASA-CASE-LEW-13922-1
N86-19479* #	c 31	US-PATENT-CLASS-52-637	US-PATENT-4,542,520	N86-20128* #	c 74	US-PATENT-APPL-SN-537614
		US-PATENT-CLASS-52-646	NAS 1.71:ARC-11611-1			US-PATENT-CLASS-307-264
N86-19479* #	c 31	US-PATENT-CLASS-52-648	NASA-CASE-ARC-11611-1	N86-20128* #	c 74	US-PATENT-CLASS-307-270
		US-PATENT-4,557,097	US-PATENT-APPL-SN-765981			US-PATENT-CLASS-307-566
N86-19515* #	c 33	NASA-CASE-GSC-12555-1	NAS 1.71:NPO-16558-1-CU	N86-20129* #	c 74	US-PATENT-CLASS-307-570
		US-PATENT-APPL-SN-153240	NASA-CASE-NPO-16558-1-CU			US-PATENT-CLASS-307-572
N86-19515* #	c 33	US-PATENT-CLASS-331-116-FE	US-PATENT-APPL-SN-779744			

F-84

ACCESSION NUMBER INDEX

N86-32697

		US-PATENT-CLASS-250-211K	N86-28732* #	c 74	NASA-CASE-GSC-12825-1	US-PATENT-CLASS-528-124
		US-PATENT-CLASS-318-584			US-PATENT-APPL-SN-698641	US-PATENT-CLASS-528-337
		US-PATENT-CLASS-318-640			US-PATENT-CLASS-350-276R	US-PATENT-CLASS-528-352
		US-PATENT-CLASS-318-640			US-PATENT-CLASS-350-505	US-PATENT-CLASS-528-399
N86-27431* #	c 25	NASA-CASE-MSC-20206-1			US-PATENT-CLASS-354-479	US-PATENT-CLASS-528-406
		US-PATENT-APPL-SN-478129			US-PATENT-CLASS-358-222	US-PATENT-CLASS-528-407
		US-PATENT-CLASS-141-198			US-PATENT-4,598,981	US-PATENT-4,587,324
		US-PATENT-CLASS-200-61.05	N86-28760* #	c 76	NASA-CASE-NPO-15904-1	NAS 1.71: LAR-13555-1
		US-PATENT-CLASS-340-605			US-PATENT-APPL-SN-465369	NASA-CASE-LAR-13555-1
		US-PATENT-4,591,838			US-PATENT-CLASS-156-DIG.88	US-PATENT-APPL-SN-871207
N86-27450* #	c 27	NASA-CASE-LAR-13316-1			US-PATENT-CLASS-156-610	NAS 1.71: LAR-13542
		US-PATENT-APPL-SN-613139			US-PATENT-CLASS-156-624	NASA-CASE-LAR-13542-1SB
		US-PATENT-CLASS-260-544P			US-PATENT-4,596,626	US-PATENT-APPL-SN-874304
		US-PATENT-CLASS-525-534	N86-29039* #	c 27	NASA-CASE-LAR-13353-1	NAS 1.71: LAR-13540-1
		US-PATENT-CLASS-525-535			US-PATENT-APPL-SN-643524	NASA-CASE-LAR-13540-1SB
		US-PATENT-CLASS-526-285			US-PATENT-CLASS-264-204	US-PATENT-APPL-SN-874320
		US-PATENT-CLASS-528-171			US-PATENT-CLASS-264-216	NASA-CASE-GSC-12680-1
		US-PATENT-CLASS-528-174			US-PATENT-CLASS-264-236	US-PATENT-APPL-SN-590925
		US-PATENT-CLASS-528-176			US-PATENT-CLASS-264-347	US-PATENT-CLASS-427-191
		US-PATENT-4,587,312			US-PATENT-CLASS-528-183	US-PATENT-CLASS-427-192
N86-27451* #	c 27	NASA-CASE-ARC-11427-2			US-PATENT-CLASS-528-222	US-PATENT-CLASS-427-421
		US-PATENT-APPL-SN-765980			US-PATENT-CLASS-528-341	US-PATENT-CLASS-427-427
		US-PATENT-CLASS-523-434			US-PATENT-4,595,548	US-PATENT-4,552,784
		US-PATENT-CLASS-523-445	N86-29055* #	c 31	NASA-CASE-MFS-25825-1	NASA-CASE-NPO-15658-1
		US-PATENT-CLASS-523-461			US-PATENT-APPL-SN-657309	US-PATENT-APPL-SN-451896
		US-PATENT-CLASS-525-108			US-PATENT-CLASS-318-605	US-PATENT-CLASS-219-121LE
		US-PATENT-CLASS-525-115			US-PATENT-CLASS-318-636	US-PATENT-CLASS-219-121LY
		US-PATENT-CLASS-525-119			US-PATENT-CLASS-318-661	US-PATENT-CLASS-264-5
		US-PATENT-CLASS-525-122			US-PATENT-CLASS-340-347CC	US-PATENT-CLASS-425-6
		US-PATENT-4,588,778			US-PATENT-CLASS-340-347SY	US-PATENT-CLASS-65-142
N86-27467* #	c 31	NAS 1.71: NPO-16734-1-CU			US-PATENT-4,594,540	US-PATENT-CLASS-65-21-2
		NASA-CASE-NPO-16734-1-CU	N86-29174* #	c 35	NASA-CASE-LAR-13254-1CU	US-PATENT-CLASS-73-505
		US-PATENT-APPL-SN-855982			US-PATENT-APPL-SN-668432	US-PATENT-4,553,917
N86-27513* #	c 32	NASA-CASE-KSC-11285-1			US-PATENT-CLASS-261-78A	NAS 1.71: LEW-14104-2
		US-PATENT-APPL-SN-655601			US-PATENT-CLASS-55-255	NASA-CASE-LEW-14104-2
		US-PATENT-CLASS-179-18BC			US-PATENT-CLASS-55-259	US-PATENT-APPL-SN-823713
		US-PATENT-CLASS-340-347DD			US-PATENT-CLASS-55-521	NASA-CASE-ARC-11512-2
		US-PATENT-CLASS-365-768			US-PATENT-CLASS-55-528	US-PATENT-APPL-SN-641153
		US-PATENT-4,588,986			US-PATENT-4,595,399	US-PATENT-CLASS-528-336
N86-27593* #	c 34	NASA-CASE-MSC-20812-1	N86-29204* #	c 36	NAS 1.71: LAR-13256-1	US-PATENT-CLASS-528-337
		US-PATENT-APPL-SN-616002			NASA-CASE-LAR-13256-1	US-PATENT-CLASS-528-340
		US-PATENT-CLASS-122-366			US-PATENT-APPL-SN-745973	US-PATENT-CLASS-528-347
		US-PATENT-CLASS-165-104.14			US-PATENT-CLASS-372-79	US-PATENT-CLASS-564-15
		US-PATENT-CLASS-165-104.26			US-PATENT-4,594,720	US-PATENT-CLASS-568-14
		US-PATENT-4,583,587	N86-29507* #	c 54	NASA-CASE-ARC-11534-1	US-PATENT-4,602,081
		US-PATNET-CLASS-165-41			US-PATENT-APPL-SN-642602	NASA-CASE-LEW-14072-2
N86-27629* #	c 37	NASA-CASE-ARC-11525-1			US-PATENT-CLASS-138-120	US-PATENT-APPL-SN-761235
		US-PATENT-APPL-SN-681041			US-PATENT-CLASS-2-2.1A	US-PATENT-CLASS-204-192C
		US-PATENT-CLASS-318-48			US-PATENT-CLASS-285-168	US-PATENT-CLASS-204-192D
		US-PATENT-CLASS-318-632			US-PATENT-CLASS-285-184	US-PATENT-CLASS-204-298
		US-PATENT-CLASS-318-663			US-PATENT-CLASS-285-227	US-PATENT-4,604,181
		US-PATENT-CLASS-318-8			US-PATENT-4,598,428	NAS 1.71: GSC-13008-1
		US-PATENT-4,591,772			US-PATENT-403-164	NASA-CASE-GSC-13008-1
N86-27630* #	c 37	NASA-CASE-LAR-13250-1	N86-29650* #	c 74	NASA-CASE-GSC-12911-1	US-PATENT-APPL-SN-867987
		US-PATENT-APPL-SN-573162			US-PATENT-APPL-SN-606426	NASA-CASE-LEW-14130-1
		US-PATENT-CLASS-403-312			US-PATENT-CLASS-350-315	US-PATENT-APPL-SN-659475
		US-PATENT-CLASS-403-388			US-PATENT-CLASS-350-318	US-PATENT-CLASS-204-192C
		US-PATENT-CLASS-403-408.1			US-PATENT-CLASS-356-402	US-PATENT-CLASS-204-192D
		US-PATENT-4,579,475			US-PATENT-CLASS-356-419	US-PATENT-CLASS-313-106
N86-27706* #	c 44	NASA-CASE-NPO-16236-1			US-PATENT-4,599,001	US-PATENT-CLASS-313-107
		US-PATENT-APPL-SN-582495	N86-31594* #	c 09	NAS 1.71: LAR-13522-1	US-PATENT-CLASS-315-5.38
		US-PATENT-CLASS-126-418			NASA-CASE-LAR-13522-1	US-PATENT-CLASS-427-39
		US-PATENT-CLASS-126-419			US-PATENT-APPL-SN-890575	US-PATENT-4,607,193
		US-PATENT-CLASS-126-438	N86-31630* #	c 18	NAS 1.71: LAR-13489-1	NAS 1.71: MFS-28153-1
		US-PATENT-4,586,487			NASA-CASE-LAR-13489-1	NASA-CASE-MFS-28153-1
N86-28131* #	c 24	NASA-CASE-ARC-11615-1SB			US-PATENT-APPL-SN-890445	US-PATENT-APPL-SN-875891
		US-PATENT-APPL-SN-706682	N86-31726* #	c 27	NASA-CASE-ARC-11421-2	NASA-CASE-GSC-12958-1
		US-PATENT-CLASS-428-116			US-PATENT-APPL-SN-739760	US-PATENT-APPL-SN-727035
		US-PATENT-CLASS-428-408			US-PATENT-CLASS-428-473.5	US-PATENT-CLASS-331-108D
		US-PATENT-CLASS-428-921			US-PATENT-CLASS-528-170	US-PATENT-CLASS-331-116R
		US-PATENT-CLASS-526-265			US-PATENT-CLASS-528-220	US-PATENT-CLASS-331-66
		US-PATENT-4,598,007			US-PATENT-CLASS-528-321	US-PATENT-CLASS-374-183
N86-28618* #	c 54	NASA-CASE-ARC-11616-1			US-PATENT-CLASS-528-322	US-PATENT-4,603,306
		US-PATENT-APPL-SN-684193			US-PATENT-4,600,769	NAS 1.71: LAR-13202-1
		US-PATENT-CLASS-128-202.11	N86-31727* #	c 27	NASA-CASE-LAR-13351-1	NASA-CASE-LAR-13202-1
		US-PATENT-CLASS-2-2.1A			US-PATENT-APPL-SN-643589	US-PATENT-APPL-SN-879758
		US-PATENT-CLASS-2-2.1R			US-PATENT-CLASS-264-212	NAS 1.71: MSC-20946-1
		US-PATENT-CLASS-414-1			US-PATENT-CLASS-264-236	US-PATENT-APPL-SN-875799
		US-PATENT-CLASS-414-5			US-PATENT-CLASS-427-162	NASA-CASE-NPO-16479-1CU
		US-PATENT-CLASS-414-7			US-PATENT-CLASS-427-164	US-PATENT-APPL-SN-719794
		US-PATENT-CLASS-414-8			US-PATENT-CLASS-427-165	US-PATENT-CLASS-73-502
		US-PATENT-4,593,415			US-PATENT-CLASS-428-336	US-PATENT-CLASS-73-521
N86-28619* #	c 54	NASA-CASE-ARC-11610-1			US-PATENT-CLASS-428-473.5	US-PATENT-CLASS-73-521
		US-PATENT-APPL-SN-684190			US-PATENT-4,603,061	US-PATENT-4,602,509
		US-PATENT-CLASS-138-120	N86-32266* #	c 74	NASA-CASE-GSC-12761-1	NASA-CASE-LAR-13294-1
		US-PATENT-CLASS-2-2.1A			US-PATENT-APPL-SN-406820	US-PATENT-APPL-SN-706681
		US-PATENT-CLASS-2-2.1R			US-PATENT-CLASS-356-4.5	US-PATENT-CLASS-73-147
		US-PATENT-CLASS-285-168			US-PATENT-4,600,299	US-PATENT-CLASS-73-862.04
		US-PATENT-4,598,427	N86-32447* #	c 09	NASA-CASE-ARC-11504-1	US-PATENT-CLASS-73-862.61
N86-28620* #	c 54	NASA-CASE-ARC-11543-1			US-PATENT-APPL-SN-565481	US-PATENT-4,604,903
		US-PATENT-APPL-SN-684192			US-PATENT-CLASS-356-73	NAS 1.71: ARC-11510-1
		US-PATENT-CLASS-138-120			US-PATENT-4,605,303	NASA-CASE-ARC-11510-1
		US-PATENT-CLASS-2-2.1A			NASA-CASE-ARC-11506-2	US-PATENT-APPL-SN-602049
		US-PATENT-CLASS-285-168	N86-32525* #	c 23	US-PATENT-APPL-SN-641142	US-PATENT-CLASS-356-28.5
		US-PATENT-CLASS-414-7			US-PATENT-CLASS-528-108	US-PATENT-CLASS-356-72
		US-PATENT-4,594,734				

		US-PATENT-CLASS-356-73				US-PATENT-CLASS-244-137-A				US-PATENT-APPL-SN-921573
		US-PATENT-CLASS-434-4				US-PATENT-CLASS-244-17.27				NAS 1.71:NPO-16766-1-CU
		US-PATENT-4,600,301				US-PATENT-CLASS-248-638				NASA-CASE-NPO-16766-1-CU
N86-32698* #	c 35	NASA-CASE-MFS-25833-1				US-PATENT-CLASS-89-1.54				US-PATENT-APPL-SN-921577
		US-PATENT-APPL-SN-473827				US-PATENT-4,616,793				NAS 1.71:MSC-20964-1
		US-PATENT-CLASS-324-226				NASA-CASE-MFS-28057-1				NASA-CASE-MSC-20964-1
		US-PATENT-CLASS-324-238				US-PATENT-APPL-SN-729766				US-PATENT-APPL-SN-878916
		US-PATENT-CLASS-324-240				US-PATENT-CLASS-350-319				US-PATENT-APPL-SN-571615
		US-PATENT-CLASS-324-262				US-PATENT-4,618,215				US-PATENT-CLASS-356-246
		US-PATENT-CLASS-73-37.5				NASA-CASE-MSC-20635-1				US-PATENT-CLASS-372-61
		US-PATENT-4,551,677				US-PATENT-APPL-SN-588039				US-PATENT-4,614,428
N86-32700* #	c 35	NAS 1.71:LAR-13300-CU				US-PATENT-CLASS-16-294				NAS 1.71:MFS-28144-1
		NASA-CASE-LAR-13300-1CU				US-PATENT-CLASS-16-370				NASA-CASE-MFS-28144-1
		US-PATENT-APPL-SN-829042				US-PATENT-CLASS-403-102				NASA-CASE-MFS-28144-1
N86-32701* #	c 35	NAS 1.71:LAR-13560-1				US-PATENT-CLASS-403-119				US-PATENT-APPL-SN-924399
		NASA-CASE-LAR-13560-1				US-PATENT-CLASS-403-146				NAS 1.71:ARC-11646-1
		US-PATENT-APPL-SN-886123				US-PATENT-CLASS-403-163				NASA-CASE-ARC-11646-1
N86-32736* #	c 37	NASA-CASE-MFS-19796-1				US-PATENT-CLASS-403-85				US-PATENT-APPL-SN-924398
		US-PATENT-APPL-SN-770920				US-PATENT-4,615,637				NAS 1.71:LAR-13411-1
		US-PATENT-CLASS-138-97				NAS 1.71:LAR-13490-1				NASA-CASE-LAR-13411-1SB
		US-PATENT-CLASS-165-76				NASA-CASE-LAR-13490-1				US-PATENT-APPL-SN-913432
		US-PATENT-CLASS-228-119				US-PATENT-APPL-SN-899683				NAS 1.71:MSC-20985-1
		US-PATENT-CLASS-29-402.16				NASA-CASE-MFS-25989-1				NASA-CASE-MSC-20985-1
		US-PATENT-4,605,155				US-PATENT-APPL-SN-690273				US-PATENT-APPL-SN-901434
N86-32737* #	c 37	NASA-CASE-LAR-13081-1				US-PATENT-CLASS-239-132.5				NAS 1.71:ARC-11643-1-SB
		US-PATENT-APPL-SN-760378				US-PATENT-CLASS-239-403				NASA-CASE-ARC-11643-1-SB
		US-PATENT-CLASS-52-111				US-PATENT-CLASS-239-425				US-PATENT-APPL-SN-901496
		US-PATENT-CLASS-52-632				US-PATENT-CLASS-60-258				NASA-CASE-ARC-11429-4CU
		US-PATENT-CLASS-52-645				US-PATENT-CLASS-60-746				US-PATENT-APPL-SN-725686
		US-PATENT-CLASS-52-646				US-PATENT-4,621,492				US-PATENT-CLASS-525-282
		US-PATENT-4,604,844				NAS 1.71:LEW-14345-1				US-PATENT-4,618,652
N86-32738* #	c 37	NASA-CASE-MFS-28059-1				NASA-CASE-LEW-14345-1				NAS 1.71:NPO-16901-1-CU
		US-PATENT-APPL-SN-709255				US-PATENT-APPL-SN-924474				NASA-CASE-NPO-16901-1-CU
		US-PATENT-CLASS-417-475				NAS 1.71:14346-1				US-PATENT-APPL-SN-921574
		US-PATENT-4,604,038				NASA-CASE-LEW-14346-1				NAS 1.71:NPO-16632-1-CU
N86-32740* #	c 37	NAS 1.71:LEW-14212-1				US-PATENT-APPL-SN-934470				NASA-CASE-NPO-16632-1-CU
		NASA-CASE-LEW-14212-1				NAS 1.71:ARC-11641-1				US-PATENT-APPL-SN-890586
		US-PATENT-APPL-SN-875798				NASA-CASE-ARC-11641-1				NAS 1.71:NPO-16932-1
N86-32770* #	c 39	NAS 1.71:MFS-28118-1				US-PATENT-APPL-SN-862925				NASA-CASE-NPO-16932-1CU
		NASA-CASE-MFS-28118-1				NASA-CASE-LEW-13834-1				US-PATENT-APPL-SN-913433
		US-PATENT-APPL-SN-886121				US-PATENT-APPL-SN-478131				NAS 1.71:NPO-16764-1
N86-32875* #	c 44	NASA-CASE-LEW-14177-1				US-PATENT-CLASS-148-429				NASA-CASE-NPO-16964-1CU
		US-PATENT-APPL-SN-669140				US-PATENT-CLASS-420-460				US-PATENT-APPL-SN-704513
		US-PATENT-CLASS-136-261				US-PATENT-4,610,736				NAS 1.71:LEW-14297-1
		US-PATENT-CLASS-148-1.5				NASA-CASE-LAR-13316-2				NASA-CASE-LEW-14297-1
		US-PATENT-CLASS-29-572				US-PATENT-APPL-SN-760791				US-PATENT-APPL-SN-917125
		US-PATENT-CLASS-29-576B				US-PATENT-CLASS-260-544-P				NASA-CASE-LEW-14297-1
		US-PATENT-CLASS-357-30				US-PATENT-4,622,182				NAS 1.71:LAR-13435-1
		US-PATENT-CLASS-357-91				NASA-CASE-LAR-13318-1				NASA-CASE-LAR-13435-1
N86-33127* #	c 72	US-PATENT-4,608,452				US-PATENT-APPL-SN-781813				US-PATENT-APPL-SN-890683
		NASA-CASE-NPO-16372-1				US-PATENT-CLASS-428-262				NAS 1.71:MSC-20761-1
		US-PATENT-APPL-SN-703847				US-PATENT-CLASS-428-447				NASA-CASE-MSC-20761-1
		US-PATENT-CLASS-250-336.1				US-PATENT-CLASS-528-26				US-PATENT-APPL-SN-913446
		US-PATENT-CLASS-250-338				US-PATENT-4,624,888				NAS 1.71:MFS-29207-1
		US-PATENT-CLASS-250-340				NAS 1.71:LEW-14392-1				NASA-CASE-MFS-29207-1
		US-PATENT-4,600,840				NASA-CASE-LEW-14392-1				US-PATENT-APPL-SN-913447
N86-33137* #	c 74	NAS 1.71:LAR-13391-1				US-PATENT-APPL-SN-886149				NASA-CASE-NPO-15813-2
		NASA-CASE-LAR-13391-1				NASA-CASE-LAR-13310-1				US-PATENT-APPL-SN-706564
		US-PATENT-APPL-SN-886133				US-PATENT-APPL-SN-709257				US-PATENT-CLASS-148-174
N86-33138* #	c 74	NAS 1.71:NPO-16869				US-PATENT-CLASS-356-5				US-PATENT-CLASS-148-175
		NASA-CASE-NPO-16869-1CU				US-PATENT-CLASS-367-99				US-PATENT-CLASS-29-575
		US-PATENT-APPL-SN-867986				US-PATENT-CLASS-73-597				US-PATENT-CLASS-29-576-E
N87-10174* #	c 20	NAS 1.71:LEW-14338-1				US-PATENT-CLASS-73-615				US-PATENT-CLASS-29-576-J
		NASA-CASE-LEW-14338-1				US-PATENT-CLASS-73-617				US-PATENT-CLASS-29-576-W
		US-PATENT-APPL-SN-897239				US-PATENT-4,624,142				US-PATENT-CLASS-29-578
N87-10179* #	c 24	NAS 1.71:LEW-14196-1				NASA-CASE-NPO-16299-1				US-PATENT-4,612,072
		NASA-CASE-LEW-14196-1				US-PATENT-APPL-SN-541526				NAS 1.71:NPO-16607-1
		US-PATENT-APPL-SN-859688				US-PATENT-CLASS-356-389				NASA-CASE-NPO-16607-1CU
N87-10192* #	c 26	NAS 1.71:LEW-14134-1				US-PATENT-4,623,255				US-PATENT-APPL-SN-901114
		NASA-CASE-LEW-14134-1				NASA-CASE-LAR-13268-1				NASA-CASE-LAR-13255-1
		US-PATENT-APPL-SN-890584				US-PATENT-APPL-SN-727034				US-PATENT-APPL-SN-550681
N87-10205* #	c 27	NAS 1.71:ARC-11649-1-SB				US-PATENT-CLASS-356-28.5				US-PATENT-CLASS-244-130
		NASA-CASE-ARC-11649-1-SB				US-PATENT-CLASS-356-301				US-PATENT-CLASS-244-200
		US-PATENT-APPL-SN-890577				US-PATENT-4,624,561				US-PATENT-CLASS-244-204
N87-10206* #	c 27	NAS 1.71:LAR-13212-1				NASA-CASE-MFS-25981-1				US-PATENT-CLASS-244-35R
		NASA-CASE-LAR-13212-1				US-PATENT-APPL-SN-657310				US-PATENT-4,619,423
		US-PATENT-APPL-SN-898986				US-PATENT-CLASS-73-462				NASA-CASE-LAR-13134-2
N87-10231* #	c 33	NAS 1.71:NPO-16784-1				US-PATENT-CLASS-73-473				US-PATENT-APPL-SN-846462
		NASA-CASE-NPO-16784-1				US-PATENT-CLASS-73-477				US-PATENT-CLASS-244-130
		US-PATENT-APPL-SN-879757				US-PATENT-4,619,142				US-PATENT-CLASS-244-55
N87-13313* #	c 76	NASA-CASE-NPO-16045-1				NASA-CASE-GSC-12956-1				US-PATENT-4,629,147
		US-PATENT-APPL-SN-641146				US-PATENT-APPL-SN-745977				NASA-CASE-LAR-13006-1
		US-PATENT-CLASS-250-338				US-PATENT-CLASS-148-187				US-PATENT-APPL-SN-470113
		US-PATENT-CLASS-250-370				US-PATENT-CLASS-148-188				US-PATENT-CLASS-340-825.5
		US-PATENT-CLASS-357-23.1				US-PATENT-CLASS-148-189				US-PATENT-CLASS-340-870.18
		US-PATENT-CLASS-357-23.12				US-PATENT-CLASS-148-190				US-PATENT-CLASS-371-63
		US-PATENT-CLASS-357-29				US-PATENT-CLASS-29-580				US-PATENT-CLASS-375-88
		US-PATENT-CLASS-357-30				US-PATENT-CLASS-29-591				US-PATENT-4,631,538
		US-PATENT-CLASS-357-52				US-PATENT-4,618,380				NAS 1.71:LEW-14037-1
		US-PATENT-4,605,946				NAS 1.71:LAR-13512-1				NASA-CASE-LEW-14037-1
N87-14282* #	c 02	NAS 1.71:LAR-13215-1				NASA-CASE-LAR-13512-1				US-PATENT-APPL-SN-636463
		NASA-CASE-LAR-13215-1				US-PATENT-APPL-SN-901113				US-PATENT-CLASS-219-275
		US-PATENT-APPL-SN-904132				NAS 1.71:MSC-20467-1				US-PATENT-CLASS-60-203.1
N87-14314* #	c 05	NASA-CASE-LAR-13173-1				NASA-CASE-MSC-20467-1				US-PATENT-4,608,821
		US-PATENT-APPL-SN-690274				US-PATENT-APPL-SN-874319				NASA-CASE-LAR-13118-2
		US-PATENT-CLASS-244-118.1				NAS 1.71:NPO-16892-1-CU				US-PATENT-APPL-SN-760797
						NASA-CASE-NPO-16892-1-CU				US-PATENT-CLASS-560-104
										US-PATENT-4,638,083

ACCESSION NUMBER INDEX

N87-19116

N87-16908* # c 27 NASA-CASE-ARC-11429-3CU
US-PATENT-APPL-SN-725725
US-PATENT-CLASS-546-339
US-PATENT-CLASS-546-346
US-PATENT-CLASS-546-350
US-PATENT-4,626,593

N87-16909* # c 27 NASA-CASE-ARC-11428-2
US-PATENT-APPL-SN-760374
US-PATENT-CLASS-428-421
US-PATENT-CLASS-428-473.5
US-PATENT-CLASS-428-500
US-PATENT-CLASS-428-704
US-PATENT-CLASS-528-168
US-PATENT-CLASS-528-321
US-PATENT-CLASS-528-322
US-PATENT-4,634,759

N87-16918* # c 31 NASA-CASE-ARC-11363-1
US-PATENT-APPL-SN-500046
US-PATENT-CLASS-52-126.5
US-PATENT-CLASS-52-309.15
US-PATENT-CLASS-52-391
US-PATENT-CLASS-52-511
US-PATENT-CLASS-52-814
US-PATENT-4,637,181

N87-17026* # c 36 NASA-CASE-ARC-11547-1
US-PATENT-APPL-SN-692745
US-PATENT-CLASS-356-28
US-PATENT-CLASS-356-28.5
US-PATENT-4,632,548

N87-17034* # c 37 NASA-CASE-NPO-16321-1CU
US-PATENT-APPL-SN-692802
US-PATENT-CLASS-305-36
US-PATENT-CLASS-305-51
US-PATENT-CLASS-305-58PC
US-PATENT-CLASS-305-58R
US-PATENT-CLASS-474-220
US-PATENT-4,626,046

N87-17035* # c 37 NASA-CASE-MS-20857-1
US-PATENT-APPL-SN-783886
US-PATENT-CLASS-134-166C
US-PATENT-CLASS-134-93
US-PATENT-CLASS-210-282
US-PATENT-4,635,663

N87-17036* # c 37 NASA-CASE-MS-20162-1
US-PATENT-APPL-SN-764805
US-PATENT-CLASS-135-903
US-PATENT-CLASS-160-23R
US-PATENT-CLASS-160-265
US-PATENT-CLASS-244-121
US-PATENT-CLASS-244-158R
US-PATENT-CLASS-296-100
US-PATENT-4,637,447

N87-17037* # c 37 NASA-CASE-MS-20475-1
US-PATENT-APPL-SN-725689
US-PATENT-CLASS-192-46
US-PATENT-CLASS-192-67R
US-PATENT-4,635,773

N87-17038* # c 37 NASA-CASE-GSC-12957-1
US-PATENT-APPL-SN-800193
US-PATENT-CLASS-310-90.5
US-PATENT-4,634,191

N87-17399* # c 44 NASA-CASE-NPO-16526-1CU
US-PATENT-APPL-SN-809975
US-PATENT-CLASS-136-249
US-PATENT-4,631,352

N87-17493* # c 74 NASA-CASE-MFS-29134-1
US-PATENT-APPL-SN-783890
US-PATENT-CLASS-219-124.34
US-PATENT-CLASS-219-130.01
US-PATENT-4,633,060

N87-18535* # c 02 NAS 1.71:LAR-13554-1
NASA-CASE-LAR-13554-1
US-PATENT-APPL-SN-929862

N87-18561* # c 05 NAS 1.71:ARC-11636-1
NASA-CASE-ARC-11636-1
US-PATENT-APPL-SN-933963

N87-18595* # c 18 NAS 1.71:MSC-21056-1
NASA-CASE-MS-21056-1
US-PATENT-APPL-SN-924397

N87-18596* # c 18 NAS 1.71:MSC-21096-1
NASA-CASE-MS-21096-1
US-PATENT-APPL-SN-929865

N87-18597* # c 18 NAS 1.71:MSC-21117-1
NASA-CASE-MS-21117-1
US-PATENT-APPL-SN-929875

N87-18613* # c 24 NAS 1.71:LAR-13562-1
NASA-CASE-LAR-13562-1
US-PATENT-APPL-SN-921572

N87-18625* # c 25 NAS 1.71:NPO-16907-1-CU
NASA-CASE-NPO-16907-1-CU
US-PATENT-APPL-SN-930217

N87-18626* # c 25 NAS 1.71:LAR-13528-1
NASA-CASE-LAR-13528-1
US-PATENT-APPL-SN-933962

N87-18627* # c 25 NAS 1.71:MFS-28142-1
NASA-CASE-MFS-28142-1

US-PATENT-APPL-SN-904128

N87-18679* # c 29 NAS 1.71:MFS-28139-1
NASA-CASE-MFS-28139-1
US-PATENT-APPL-SN-911851

N87-18691* # c 32 NAS 1.71:NPO-16904-1-CU
NASA-CASE-NPO-16904-1-CU
US-PATENT-APPL-SN-929876

N87-18692* # c 32 NAS 1.71:MSC-20865-1
NASA-CASE-MS-20865-1
US-PATENT-APPL-SN-924472

N87-18761* # c 33 NAS 1.71:LAR-13552-1-CU
NASA-CASE-LAR-13552-1-CU
US-PATENT-APPL-SN-933941

N87-18778* # c 34 NAS 1.71:LAR-13553-1
NASA-CASE-LAR-13553-1
US-PATENT-APPL-SN-921575

N87-18779* # c 34 NAS 1.71:MSC-20840-1
NASA-CASE-MS-20840-1
US-PATENT-APPL-SN-943346

N87-18817* # c 37 NAS 1.71:MFS-28161-1
NASA-CASE-MFS-28161-1
US-PATENT-APPL-SN-942159

N87-18818* # c 37 NAS 1.71:MSC-20907-1
NASA-CASE-MS-20907-1
US-PATENT-APPL-SN-927992

N87-18921* # c 44 NAS 1.71:MSC-21061-1
NASA-CASE-MS-21061-1
US-PATENT-APPL-SN-924400

N87-19021* # c 62 NAS 1.71:NPO-16949-1-CU
NASA-CASE-NPO-16949-1-CU
US-PATENT-APPL-SN-927987

N87-19064* # c 74 NAS 1.71:NPO-16750-1-CU
NASA-CASE-NPO-16750-1-CU
US-PATENT-APPL-SN-927972

N87-19115* # c 76 NAS 1.71:LAR-13476-1-CU
NASA-CASE-LAR-13476-1-CU
US-PATENT-APPL-SN-933961

N87-19116* # c 76 NAS 1.71:MFS-28137-1
NASA-CASE-MFS-28137-1
US-PATENT-APPL-SN-925189

PUBLIC AVAILABILITY OF COPIES OF PATENTS AND PATENT APPLICATIONS

Copies of U.S. patents may be purchased directly from the U.S. Patent and Trademark Office, Washington, D.C. 20231 at \$1.50 per copy. When ordering patents, the U.S. Patent Number should be used, and payment must be remitted in advance, preferably by money order or check payable to the Commissioner of Patents and Trademarks. Prepaid purchase coupons for ordering are also available from the Patent and Trademark Office.

NASA patent application specifications are sold in paper copy by the National Technical Information Service at price code A02. Microfiche are sold at price code A01. The US-Patent-Appl-SN-number should be used in ordering either paper copy or microfiche from NTIS.

LICENSES FOR COMMERCIAL USE: INQUIRIES AND APPLICATIONS FOR LICENSE

NASA inventions, abstracted in *NASA PAB*, are available for nonexclusive or exclusive licensing in accordance with the NASA Patent Licensing Regulations. It is significant that all licenses for NASA inventions shall be by express written instruments and that no license will be granted or implied in a NASA invention except as provided in the NASA Patent Licensing Regulations.

Inquiries concerning the NASA Patent Licensing Program or the availability of licenses for the commercial use of NASA-owned inventions covered by U.S. patents or pending applications for patent should be forwarded to the NASA Patent Counsel of the NASA installation having cognizance of the specific invention, or the Associate General Counsel for Intellectual Property, code GP, National Aeronautics and Space Administration, Washington, D.C. 20546. Inquiries should refer to the NASA Case Number, the Title of the Invention, and the U.S. Patent Number or the U.S. Application Serial Number assigned to the invention as shown in *NASA PAB*.

The NASA Patent Counsel having cognizance of the invention is determined by the first three letters or prefix of the NASA Case Number assigned to the invention. The addresses of NASA Patent Counsels are listed alongside the NASA Case Number prefix letters in the following table.

STANDING ORDER SUBSCRIPTIONS

NASA SP-7039, Section 2 is available from the National Technical Information Service (NTIS) on standing order subscription as PB 86-911100 at the price of \$23.00 domestic and \$46.00 foreign. Standing order subscriptions do not terminate at the end of a year, as do regular subscriptions, but continue indefinitely unless specifically terminated by the subscriber.

**NASA Case
Number
Prefix Letters**

**Address of Cognizant
NASA Patent Counsel**

ARC-xxxxx
XAR-xxxxx

Ames Research Center
Mail Code: 200-11A
Moffett Field, California 94035
Telephone: (415) 694-5104

ERC-xxxxx
XER-xxxxx
HQN-xxxxx
XHQ-xxxxx

NASA Headquarters
Mail Code: GP
Washington, D.C. 20546
Telephone: (202) 453-2417

GSC-xxxxx
XGS-xxxxx

Goddard Space Flight Center
Mail Code: 204
Greenbelt, Maryland 20771
Telephone: (301) 286-7351

KSC-xxxxx
XKS-xxxxx

John F. Kennedy Space Center
Mail Code: PT-PAT
Kennedy Space Center, Florida 32899
Telephone: (305) 867-2544

LAR-xxxxx
XLA-xxxxx

Langley Research Center
Mail Code: 279
Hampton, Virginia 23365
Telephone: (804) 865-3725

LEW-xxxxx
XLE-xxxxx

Lewis Research Center
Mail Code: 500-318
21000 Brookpark Road
Cleveland, Ohio 44135
Telephone: (216) 433-5753

MSC-xxxxx
XMS-xxxxx

Lyndon B. Johnson Space Center
Mail Code: AL3
Houston, Texas 77058
Telephone: (713) 483-4871

MFS-xxxxx
XMF-xxxxx

George C. Marshall Space Flight Center
Mail Code: CC01
Huntsville, Alabama 35812
Telephone: (205) 544-0024

NPO-xxxxx
XNP-xxxxx
FRC-xxxxx
XFR-xxxxx
WOO-xxxxx

NASA Resident Legal Office
Mail Code: 180-801
4800 Oak Grove Drive
Pasadena, California 91103
Telephone: (818) 354-2700

PATENT LICENSING REGULATIONS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

14 CFR Part 1245

Licensing of NASA Inventions

AGENCY: National Aeronautics and Space Administration.

ACTION: Interim regulation with comments requested.

SUMMARY: The National Aeronautics and Space Administration (NASA) is revising its patent licensing regulations to conform with Pub. L. 96-517. This interim regulation provides policies and procedures applicable to the licensing of federally owned inventions in the custody of the National Aeronautics and Space Administration, and implements Pub. L. 96-517. The object of this subpart is to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

EFFECTIVE DATE: July 1, 1981. Comments must be received in writing by December 2, 1981. Unless a notice is published in the *Federal Register* after the comment period indicating changes to be made, this interim regulation shall become a final regulation.

ADDRESS: Mr. John G. Mannix, Director of Patent Licensing, GP-4, NASA, Washington, D.C. 20546.

FOR FURTHER INFORMATION CONTACT: Mr. John G. Mannix, (202) 755-3954.

SUPPLEMENTARY INFORMATION:

PART 1245—PATENTS AND OTHER INTELLECTUAL PROPERTY RIGHTS

Subpart 2 of Part 1245 is revised to read as follows

Subpart 2—Licensing of NASA Inventions

- Sec.
- 1245.200 Scope of subpart.
- 1245.201 Policy and objective.
- 1245.202 Definitions.
- 1245.203 Authority to grant licenses.

Restrictions and Conditions

- 1245.204 All licenses granted under this subpart.

Types of Licenses

- 1245.205 Nonexclusive licenses.
- 1245.206 Exclusive and partially exclusive licenses.

Procedures

- 1245.207 Application for a license.
- 1245.208 Processing applications.
- 1245.209 Notice to Attorney General.

- 1245.210 Modification and termination of licenses.

- 1245.211 Appeals.

- 1245.212 Protection and administration of inventions.

- 1245.213 Transfer of custody.

- 1245.214 Confidentiality of information.

Authority: 35 U.S.C. Section 207 and 208, 94 Stat. 3023 and 3024.

Subpart 2—Licensing of NASA Inventions

§ 1245.200 Scope of subpart.

This subpart prescribes the terms, conditions, and procedures upon which a NASA invention may be licensed. It does not affect licenses which (a) were in effect prior to July 1, 1981; (b) may exist at the time of the Government's acquisition of title to the invention, including those resulting from the allocation of rights to inventions made under Government research and development contracts; (c) are the result of an authorized exchange of rights in the settlement of patent disputes; or (d) are otherwise authorized by law or treaty.

§ 1245.201 Policy and objective.

It is the policy and objective of this subpart to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

§ 1245.202 Definitions.

(a) "Federally owned invention" means an invention, plant, or design which is covered by a patent, or patent application in the United States, or a patent, patent application, plant variety protection, or other form of protection, in a foreign country, title to which has been assigned to or otherwise vested in the United States Government.

(b) "Federal agency" means an executive department, military department, Government corporation, or independent establishment, except the Tennessee Valley Authority, which has custody of a Federally owned invention.

(c) "NASA Invention" means a Federally owned invention with respect to which NASA maintains custody and administration, in whole or in part, of the right, title, or interest in such invention on behalf of the United States Government.

(d) "Small business firm" means a small business concern as defined at section 2 of Pub. L. 85-536 (15 U.S.C. 632) and implementing regulations of the Administrator of the Small Business Administration. For the purpose of these regulations, the size standard for small business concerns involved in Government procurement, contained in

13 CFR 121.3-8, and in subcontracting, contained in 13 CFR 121.3-12, will be used.

(e) "Practical application" means to manufacture in the case of a composition or product, to practice in the case of a process or method, or to operate in the case of a machine or system; and, in each case, under such conditions as to establish that the invention is being utilized and that its benefits are to the extent permitted by law or Government regulations available to the public on reasonable terms.

(f) "United States" means the United States of America, its territories and possessions, the District of Columbia, and the Commonwealth of Puerto Rico.

§ 1245.203 Authority to grant licenses.

NASA inventions shall be made available for licensing as deemed appropriate in the public interest. NASA may grant nonexclusive, partially exclusive, or exclusive licenses thereto under this subpart on inventions in its custody.

Restrictions and Conditions

§ 1245.204 All licenses granted under this subpart.

(a) *Restrictions.* (1) A license may be granted only if the applicant has supplied NASA with a satisfactory plan for development or marketing of the invention, or both, and with information about the applicant's capability to fulfill the plan.

(2) A license granting rights to use or sell under a NASA invention in the United States shall normally be granted only to a licensee who agrees that any products embodying the invention or produced through the use of the invention will be manufactured substantially in the United States.

(b) *Conditions.* Licenses shall contain such terms and conditions as NASA determines are appropriate for the protection of the interests of the Federal Government and the public and are not in conflict with law or this subpart. The following terms and conditions apply to any license:

(1) The duration of the license shall be for a period specified in the license agreement, unless sooner terminated in accordance with this subpart.

(2) The license may be granted for all or less than all fields of use of the invention or in specified geographical areas, or both.

(3) The license may extend to subsidiaries of the licensee or other parties if provided for in the license but shall be nonassignable without approval of NASA, except to the successor of that part of the licensee's business to which the invention pertains.

PATENT LICENSING REGULATIONS

(4) The license may provide the licensee the right to grant sublicenses under the license, subject to the approval of NASA. Each sublicense shall make reference to the license, including the rights retained by the Government, and a copy of such sublicense shall be furnished to NASA.

(5) The license shall require the licensee to carry out the plan for development or marketing of the invention, or both, to bring the invention to practical application within a period specified in the license, and to continue to make the benefits of the invention reasonably accessible to the public.

(6) The license shall require the licensee to report periodically on the utilization or efforts at obtaining utilization that are being made by the licensee, with particular reference to the plan submitted.

(7) All licenses shall normally require royalties or other consideration.

(8) Where an agreement is obtained pursuant to § 1245.204(a)(2) that any products embodying the invention or produced through use of the invention will be manufactured substantially in the United States, the license shall recite such agreement.

(9) The license shall provide for the right of NASA to terminate the license, in whole or in part, if:

(i) NASA determines that the licensee is not executing the plan submitted with its request for a license and the licensee cannot otherwise demonstrate to the satisfaction of NASA that it has taken or can be expected to take within a reasonable time effective steps to achieve practical application of the invention;

(ii) NASA determines that such action is necessary to meet requirements for public use specified by Federal regulations issued after the date of the license and such requirements are not reasonably satisfied by the licensee;

(iii) The licensee has willfully made a false statement of or willfully omitted a material fact in the license application or in any report required by the license agreement; or

(iv) The licensee commits a substantial breach of a covenant or agreement contained in the license.

(10) The license may be modified or terminated, consistent with this subpart, upon mutual agreement of NASA and the licensee.

(11) Nothing relating to the grant of a license, nor the grant itself, shall be construed to confer upon any person any immunity from or defenses under the antitrust laws or from a charge of

patent misuse, and the acquisition and use of rights pursuant to this subpart shall not be immunized from the operation of state or Federal law by reason of the source of the grant.

Types of Licenses

§ 1245.205 Nonexclusive licenses.

(a) *Availability of licenses.* Nonexclusive licenses may be granted under NASA inventions without publication of availability or notice of a prospective license.

(b) *Conditions.* In addition to the provisions of § 1245.204, the nonexclusive license may also provide that, after termination of a period specified in the license agreement, NASA may restrict the license to the fields of use or geographic areas, or both, in which the licensee has brought the invention to practical application and continues to make the benefits of the invention reasonably accessible to the public. However, such restriction shall be made only in order to grant an exclusive or partially exclusive license in accordance with this subpart.

§ 1245.206 Exclusive and partially exclusive licenses.

(a) Domestic licenses.

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on NASA inventions: (i) 3 months after notice of the invention's availability has been announced in the Federal Register; or (ii) without such notice where NASA determines that expeditious granting of such a license will best serve the interests of the Federal Government and the public; and (iii) in either situation, specified in (a)(1)(i) or (ii) of this section only if:

(A) Notice of a prospective license, identifying the invention and the prospective licensee, has been published in the Federal Register, providing opportunity for filing written objections within a 60-day period;

(B) After expiration of the period in § 1245.206(a)(1)(iii)(A) and consideration of any written objections received during the period, NASA has determined that:

(1) The interests of the Federal Government and the public will best be served by the proposed license, in view of the applicant's intentions, plans, and ability to bring the invention to practical application or otherwise promote the invention's utilization by the public;

(2) The desired practical application has not been achieved, or is not likely expeditiously to be achieved, under any nonexclusive license which has been granted, or which may be granted, on the invention;

(3) Exclusive or partially exclusive licensing is a reasonable and necessary incentive to call forth the investment of risk capital and expenditures to bring the invention to practical application or otherwise promote the invention's utilization by the public; and

(4) The proposed terms and scope of exclusivity are not greater than reasonably necessary to provide the incentive for bringing the invention to practical application or otherwise promote the invention's utilization by the public;

(C) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the country in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with the antitrust laws; and

(D) NASA has given first preference to any small business firms submitting plans that are determined by the agency to be within the capabilities of the firms and as equally likely, if executed, to bring the invention to practical application as any plans submitted by applicants that are not small business firms.

(2) *Conditions.* In addition to the provisions of § 1245.204, the following terms and conditions apply to domestic exclusive and partially exclusive licenses:

(i) The licensee shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall reserve to NASA the right to require the licensee to grant sublicenses to responsible applicants, on reasonable terms, when necessary to fulfill health or safety needs.

(iii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iv) The license may grant the licensee the right of enforcement of the licensed patent pursuant to the provisions of Chapter 29 of Title 35, United States Code, or other statutes, as determined appropriate in the public interest.

(b) Foreign licenses.

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on a NASA invention covered by a foreign patent, patent application, or other form of protection, provided that:

(i) Notice of a prospective license,

PATENT LICENSING REGULATIONS

identifying the invention and prospective licensee, has been published in the Federal Register, providing opportunity for filing written objections within a 60-day period and following consideration of such objections;

(ii) NASA has considered whether the interests of the Federal Government or United States industry in foreign commerce will be enhanced; and

(iii) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the United States in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with antitrust laws.

(2) *Conditions.* In addition to the provisions of § 1245.204, the following terms and conditions apply to foreign exclusive and partially exclusive licenses:

(i) The license shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iii) The license may grant the licensee the right to take any suitable and necessary actions to protect the licensed property, on behalf of the Federal Government.

(c) *Record of determinations.* NASA shall maintain a record of determinations to grant exclusive or partially exclusive licenses.

Procedures

§ 1245.207 Application for a license.

An application for a license should be addressed to the Patent Counsel at the NASA installation having responsibility for the invention and shall normally include:

(a) Identification of the invention for which the license is desired, including the patent application serial number or patent number, title, and date, if known;

(b) Identification of the type of license for which the application is submitted;

(c) Name and address of the person, company, or organization applying for the license and the citizenship or place of incorporation of the applicant;

(d) Name, address, and telephone number of representative of applicant to whom correspondence should be sent;

(e) Nature and type of applicant's

business, identifying products or services which the applicant has successfully commercialized, and approximate number of applicant's employees;

(f) Source of information concerning the availability of a license on the invention;

(g) A statement indicating whether applicant is a small business firm as defined in § 1245.202(c);

(h) A detailed description of applicant's plan for development or marketing of the invention, or both, which should include:

(1) A statement of the time, nature and amount of anticipated investment of capital and other resources which applicant believes will be required to bring the invention to practical application;

(2) A statement as to applicant's capability and intention to fulfill the plan, including information regarding manufacturing, marketing, financial, and technical resources;

(3) A statement of the fields of use for which applicant intends to practice the invention; and

(4) A statement of the geographic areas in which applicant intends to manufacture any products embodying the invention and geographic areas where applicant intends to use or sell the invention, or both;

(i) Identification of licenses previously granted to applicant under Federally owned inventions;

(j) A statement containing applicant's best knowledge of the extent to which the invention is being practiced by private industry or Government, or both, or is otherwise available commercially; and

(k) Any other information which applicant believes will support a determination to grant the license to applicant.

§ 1245.208 Processing applications.

(a) Applications for licenses will be initially reviewed by the Patent Counsel of the NASA installation having responsibility for the invention. The Patent Counsel shall make a preliminary recommendation to the Director of Licensing, NASA Headquarters, whether to: (1) grant the license as requested, (2) grant the license with modification after negotiation with the licensee, or (3) deny the license. The Director of Licensing shall review the preliminary recommendation of the Patent Counsel and make a final recommendation to the NASA Assistant General Counsel for Patent Matters. Such review and final recommendation may include, and be based on, any additional information obtained from applicant and other sources that the Patent Counsel and the

Director of Licensing deem relevant to the license requested. The determination to grant or deny the license shall be made by the Assistant General Counsel for Patent Matters based on the final recommendation of the Director of Licensing.

(b) When notice of a prospective exclusive or partially exclusive license is published in the Federal Register in accordance with § 1245.206(a)(1)(iii)(A) or § 1245.206(b)(1)(i), any written objections received in response thereto will be considered by the Director of Licensing in making the final recommendation to the Assistant General Counsel for Patent Matters.

(c) If the requested license, including any negotiated modifications, is denied by the Assistant General Counsel for Patent Matters, the applicant may request reconsideration by filing a written request for reconsideration within 30 days after receiving notice of denial. This 30-day period may be extended for good cause.

(d) In addition to, or in lieu of requesting reconsideration, the applicant may also appeal the denial of the license in accordance with § 1245.211.

§ 1245.209 Notice to Attorney General.

A copy of the notice provided for in §§ 1245.206(a)(1)(iii)(A), and 1245.206(b)(1)(i) will be sent to the Attorney General.

§ 1245.210 Modification and termination of licenses.

Before modifying or terminating a license, other than by mutual agreement, NASA shall furnish the licensee and any sublicensee of record a written notice of intention to modify or terminate the license, and the licensee and any sublicensee shall be allowed 30 days after such notice to remedy any breach of the license or show cause why the license should not be modified or terminated.

§ 1245.211 Appeals.

(a) The following parties may appeal to the NASA Administrator or designee any decision or determination concerning the grant, denial, interpretation, modification, or termination of a license:

(1) A person whose application for a license has been denied;

(2) A licensee whose license has been modified or terminated, in whole or in part; or

(3) A person who timely filed a written objection in response to the notice required by §§ 1245.206(a)(1)(iii)(A) or

PATENT LICENSING REGULATIONS

1245.206(b)(1)(i) and who can demonstrate to the satisfaction of NASA that such person may be damaged by the Agency action.

(b) Written notice of appeal must be filed within 30 days (or such other time as may be authorized for good cause shown) after receiving notice of the adverse decision or determination; including, an adverse decision following the request for reconsideration under § 1245.206(c). The notice of appeal, along with all supporting documentation should be addressed to the Administrator, National Aeronautics and Space Administration, Washington, DC 20546. Should the appeal raise a genuine dispute over material facts, fact-finding will be conducted by the NASA Inventions and Contributions Board. The person filing the appeal shall be afforded an opportunity to be heard and to offer evidence in support of the appeal. The Chairperson of the Inventions and Contributions Board shall prepare written findings of fact and transmit them to the Administrator

or designee. The decision on the appeal shall be made by the NASA Administrator or designee. There is no further right of administrative appeal from the decision of the Administrator or designee.

§ 1245.212 Protection and administration of inventions.

NASA may take any suitable and necessary steps to protect and administer rights to NASA inventions, either directly or through contract.

§ 1245.213 Transfer of custody.

NASA having custody of certain Federally owned inventions may transfer custody and administration in whole or in part, to another Federal agency, of the right, title, or interest in any such invention.

§ 1245.214 Confidentiality of information.

Title 35, United States Code, section 209, provides that any plan submitted pursuant to § 1245.207(h) and any report required by § 1245.204(b)(6) may be treated by NASA as commercial and

financial information obtained from a person and privileged and confidential and not subject to disclosure under section 552 of Title 5 of the United States Code.

James M. Beggs,
Administrator.

October 15, 1981.

[FR Doc. 81-31809 Filed 10-30-81; 8:45 am]

BILLING CODE 7510-01-M

1. Report No. NASA SP-7039 (31)		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle NASA Patent Abstracts Bibliography A Continuing Bibliography Section 2: Indexes (Supplement 31)				5. Report Date July, 1987	
				6. Performing Organization Code	
7. Author(s)				8. Performing Organization Report No.	
				10. Work Unit No.	
9. Performing Organization Name and Address National Aeronautics and Space Administration Washington, DC 20546				11. Contract or Grant No.	
				13. Type of Report and Period Covered	
12. Sponsoring Agency Name and Address				14. Sponsoring Agency Code	
15. Supplementary Notes Section 2: Indexes					
16. Abstract A subject index is provided for over 4600 patents and patent applications for the period May 1969 through June 1987. Additional indexes list personal authors, corporate authors, contract numbers, NASA case numbers, U.S. patent class numbers, U.S. patent numbers, and NASA accession numbers.					
17. Key Words (Suggested by Authors(s)) Bibliographies Patent Policy NASA Programs			18. Distribution Statement Unclassified - Unlimited		
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 486	22. Price * A21/HC